



```

US-09-470-102-1
? Sequence 1: Application US/95370102
? Patent No. 6265547
? GENERAL INFORMATION:
? APPLICANT: Yee, Henry
? APPLICANT: Au-Yang, Janice
? APPLICANT: Patterson, Chandra
? TITLE OF INVENTION: CELL JUNCTION P22 PROTEIN
? FILE REFERENCE: PF-0599 US
? CURRENT APPLICATION NUMBER: US/95/370,102
? CURRENT FILING DATE: 1999-08-06
? EARLIER APPLICATION NUMBER: 09/151,611
? EARLIER FILING DATE: 1998-09-11
? NUMBER OF SEQ ID NOS: 4
? SOFTWARE: PERL Program
? SEQ ID NO: 1
? LENGTH: 233
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: 1974337
US-09-470-102-1

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Query Match          100.0%  Score 233  DB 4:  Length 233
Best Local Similarity 100.0%  Freq. No. 50-210
Matches 233  Conservative  0  Mismatches  0  Indels  0  Gaps  0

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QY 1 MERSVTSATIAMATIVVQPTIDRVAVAFETLEKIGFSPVYHKLSTLKKVQSE 60
DB 1 MERSVTSATIAMATIVVQPTIDRVAVAFETLEKIGFSPVYHKLSTLKKVQSE 60
QY 61 ETATAEVYVYMHETLVNCTFEFSKATATAVAAFAASDHSHRVEELRTPEGLP 120
DB 61 ETATAEVYVYMHETLVNCTFEFSKATATAVAAFAASDHSHRVEELRTPEGLP 120
QY 121 NPGSGFSGNSPIYSRTHPSGVAERHSHKPELTGLSVNVSVELEHFEVALLRAMP 180
DB 121 NPGSGFSGNSPIYSRTHPSGVAERHSHKPELTGLSVNVSVELEHFEVALLRAMP 180
QY 181 SVETVVEVTEFVLEHMAEELHFAKSHSGGGLTGGVSGVSGVSGVSGVSGVSGV 233
DB 181 SVETVVEVTEFVLEHMAEELHFAKSHSGGGLTGGVSGVSGVSGVSGVSGVSGV 233

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RESULT 4
US-09-151-611-4
? Sequence 4: Application US/95291511
? Patent No. 5268731
? GENERAL INFORMATION:
? APPLICANT: Yee, Henry
? APPLICANT: Au-Yang, Janice
? APPLICANT: Patterson, Chandra
? TITLE OF INVENTION: CELL JUNCTION P22 PROTEIN
? FILE REFERENCE: PF-0599 US
? CURRENT APPLICATION NUMBER: US/95/291,611
? CURRENT FILING DATE: 1998-09-11
? NUMBER OF SEQ ID NOS: 4
? SOFTWARE: PERL Program
? SEQ ID NO: 4
? LENGTH: 297
? TYPE: PRT
? ORGANISM: Caenorhabditis elegans
? FEATURE:
? OTHER INFORMATION: 41685067
US-09-151-611-4

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Query Match          100.0%  Score 27  DB 4:  Length 297
Best Local Similarity 100.0%  Freq. No. 1-40-17
Matches 27  Conservative  0  Mismatches  0  Indels  0  Gaps  0
US-09-470-102-1

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14 209 GDRNVMGCKEKNSPVYSRTHPSGVA 235
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RESULT 4
US-09-470-102-1
? Sequence 1: Application US/95370102
? Patent No. 6265547
? GENERAL INFORMATION:
? APPLICANT: Yee, Henry
? APPLICANT: Au-Yang, Janice
? APPLICANT: Patterson, Chandra
? TITLE OF INVENTION: CELL JUNCTION P22 PROTEIN
? FILE REFERENCE: PF-0599 US
? CURRENT APPLICATION NUMBER: US/95/470,102
? CURRENT FILING DATE: 1999-08-06
? EARLIER APPLICATION NUMBER: 09/151,611
? EARLIER FILING DATE: 1998-09-11
? NUMBER OF SEQ ID NOS: 4
? SOFTWARE: PERL Program
? SEQ ID NO: 4
? LENGTH: 297
? TYPE: PRT
? ORGANISM: Caenorhabditis elegans
? FEATURE:
? OTHER INFORMATION: 41685067
US-09-470-102-1

```

```

Query Match          11.6%  Score 27  DB 4:  Length 297
Best Local Similarity 100.0%  Freq. No. 1-40-17
Matches 27  Conservative  0  Mismatches  0  Indels  0  Gaps  0

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QY 117 GDRNVMGCKEKNSPVYSRTHPSGVA 143
DB 209 GDRNVMGCKEKNSPVYSRTHPSGVA 235

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RESULT 5
US-08-190-802A-29
? Sequence 29: Application US/08190802A
? Patent No. 5519003
? GENERAL INFORMATION:
? APPLICANT: Mochly Rosou, Baria
? APPLICANT: Rean, Dorit
? TITLE OF INVENTION: WD 40 - Derived Peptides and Uses
? TITLE OF INVENTION: Theoretical
? NUMBER OF SEQUENCE: 265
? ADDRESS/REFERENCE ADDRESS:
? ADDRESS: 10011001 N Associates
? STREET: P.O. Box 60850
? CITY: Palo Alto
? STATE: CA
? COUNTRY: USA
? ZIP: 94406-0850
? GENE: 117 GDRNVMGCKEKNSPVYSRTHPSGVA
? REGION: PRT: Piggy Back
? OPERATING SYSTEM: PC 165/768-1008
? SOFTWARE: Patout to Re-lease #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/190,802A
? FILING DATE: 01-FEB-1994
? CLASSIFICATION: 540
? ATTORNEY/AGENT INFORMATION:
? NAME: Faldian, Gary R.
? REGISTRATION NUMBER: 43,875
? REFERENCE/SEQUENCE NUMBER: 4600-0139
? TELEPHONE: (415) 424-0880
? TELEFAX: (415) 424-0960
? INFORMATION FOR SEQ ID NO: 29:
? SEQUENCE CHARACTERISTICS:

```



CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109  
 COMPUTER RELEVABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patient in Release #1.0, Version #1.40  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-09-045-632  
 FILING DATE: 19-MAR-1998  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/041,016  
 FILING DATE: 19-MAR-1997  
 ATTORNEY/AGENT: INT. REMATEL  
 NAME: Cottriss, Peter F.  
 REGISTRATION NUMBER: 34,060  
 REFERENCE: FBI REGIS. 10117,1699-0110  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-523-3400  
 TELEFAX: 617-523-6440  
 INFORMATION FOR SEQ ID NO: 69:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 31 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: linear  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-09-045-632-69

Query Match 4.78; Score 11; DB 3; Length 31;  
 Best Local Similarity 100.0%; Pred. No. 0.0017;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 149 LKRGJLSVN 159  
 DB 18 LKRGJLSVN 28

RESULT 9  
 US-09-100-804-25  
 Sequence 25, Application US/09100804  
 Patent No. 6066472  
 GENERAL INFORMATION:  
 APPLICANT: GONZ, JEROME, JR.  
 APPLICANT: SARAS, JAN  
 APPLICANT: CLAESSON-WEISS, LENA  
 APPLICANT: HELDER, CARL, HERMIE  
 TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL  
 TITLE OF INVENTION: EXPRESSION OF NOCTURNAL RECEPTORS IN N. VUL. PROTEIN  
 NUMBER OF INVENTION: 14  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENT ADDRESS:  
 ADDRESSEE: WIFE, GREENFIELD & SACKS, P.C.  
 STREET: 600 ATLANTIC AVENUE  
 CITY: BOSTON  
 STATE: MASSACHUSETTS  
 COUNTRY: USA  
 ZIP: 02210  
 COMPUTER RELEVABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patient in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-09-045-631  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/750,201

FILING DATE: 09-AUG-1996  
 APPLICATION NUMBER: US 08/115,573  
 FILING DATE: 01-SEP-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 107/0394,09943  
 FILING DATE: 01-SEP-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: CAIRNS, EDWARD R.  
 REGISTRATION NUMBER: 31,616  
 REFERENCE: FBI REGIS. 10117,1699-0110  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-720-3500  
 TELEFAX: 617-720-2441  
 INFORMATION FOR SEQ ID NO: 25:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 73 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 HYDROTIC: NO  
 ANTI-SERIES: NO  
 US-09-100-804-25

Query Match 4.78; Score 11; DB 3; Length 73;  
 Best Local Similarity 100.0%; Pred. No. 0.0046;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 149 LKRGJLSVN 159  
 DB 36 LKRGJLSVN 46

RESULT 10  
 US-08-545-8600-44  
 Sequence 54, Application US/085458600  
 Patent No. 6040140  
 GENERAL INFORMATION:  
 APPLICANT: FROO, CARLO  
 APPLICANT: RANABU, ELI  
 TITLE OF INVENTION: Diagnostic, Therapeutic and Methods  
 TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the ALL-1 Region  
 NUMBER OF SEQUENCES: 94  
 CORRESPONDENT ADDRESS:  
 ADDRESSEE: Woodcock, Kufner, MacKinnon &  
 ADDRESS: One Liberty Place, 46th floor  
 CITY: Philadelphia  
 STATE: Pennsylvania  
 COUNTRY: USA  
 ZIP: 19104  
 COMPUTER RELEVABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patient in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-08-545-8600  
 FILING DATE: 07-MAR-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 101/014,04496  
 FILING DATE: 22-APR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 101/014,04496  
 FILING DATE: 22-APR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/427,392  
 FILING DATE: 19-OCT-1994  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/420,559  
 FILING DATE: 11-OCT-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/094,244  
 FILING DATE: 14 MAY 1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/971,094  
 FILING DATE: 30-OCT-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/988,893  
 FILING DATE: 27 MAY 1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/805,093  
 FILING DATE: 11-DEC-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Tolosa Est., Mark  
 REGISTRATION NUMBER: 43,229  
 REFERENCE/AGENT NUMBER: 100,000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 568-4100  
 TELEFAX: (215) 568-4489  
 INFORMATION FOR SEQ ID NO: 54:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 80 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 US-08-545-6000 54

Query Match 4.78; Score 11; DP 3; Length 80;  
 Best Local Similarity: 100.0%; Prod. No. 0.0039;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 149 LKRGOLLSVN 159  
 DB 46 LKRGOLLSVN 46

RESULT 11  
 PCT-US94-04496-54  
 Sequence 54, Application PCT/US9404496  
 GENERAL INFORMATION:  
 APPLICANT: Croco, Carlo  
 TITLE OF INVENTION: Diagnostic, Therapeutic and Methods  
 TITLE OF INVENTION: A POLYPEPTIDE AND ITS USE IN THE  
 TITLE OF INVENTION: Resultant from Chromosome Abnormalities in the ALL-1  
 NUMBER OF SEQUENCES: 86  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Woodcock, Washburn, Kurtz, Markowitz &  
 ADDRESSEE: Morris  
 STREET: One Liberty Place, 46th floor  
 CITY: Philadelphia  
 STATE: Pennsylvania  
 COUNTRY: USA  
 ZIP: 19104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US94/04496  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Tolosa Est., Mark  
 REGISTRATION NUMBER: 43,229  
 REFERENCE/AGENT NUMBER: 100,000

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 568-4100  
 TELEFAX: (215) 568-4489  
 INFORMATION FOR SEQ ID NO: 54:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 80 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 PCT-US94-04496-54

Query Match 4.78; Score 11; DP 3; Length 80;  
 Best Local Similarity: 100.0%; Prod. No. 0.0039;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 149 LKRGOLLSVN 159  
 DB 46 LKRGOLLSVN 46

RESULT 12  
 US-08-459-049-14  
 Sequence 14, Application US/08459446  
 Patent No. 584479  
 GENERAL INFORMATION:  
 APPLICANT: J. M. WILLIAM R.  
 APPLICANT: TUCKER, RONALD E.  
 APPLICANT: ROBERG, DAVID G.  
 APPLICANT: GEDERAR, HERMAN  
 APPLICANT: KUBERASABATH, BHANGAVEL  
 TITLE OF INVENTION: NEWEL BIRTH-GENIC PROTEIN COMPOSITIONS  
 TITLE OF INVENTION: OF MATTER  
 NUMBER OF SEQUENCES: 23  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: PATENT ADMINISTRATIVE/CREATIVE BIOLOGICALS,  
 STREET: 45 SOUTH STREET  
 CITY: BOSTON  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 01748  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/459,446  
 FILING DATE:  
 CLASSIFICATION: 4.5  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/0929,335  
 FILING DATE: 04-MAR-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/971,091  
 FILING DATE: 03-NOV-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/945,235  
 FILING DATE: 16-SEP-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/948,436  
 FILING DATE: 08-AUG-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/945,780  
 FILING DATE: 31-JUL-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: TUCKER, RONALD E.  
 REGISTRATION NUMBER: 27,829









RESULT 20  
US-08-463-0748-B  
Sequence 8, Application US/084630748  
Patent No. 6020155  
GENERAL INFORMATION:  
APPLICANT: Smith, Kendall A. & Beadling, Carol  
TITLE OF INVENTION: Nucleic Acids Encoding C21 Fusion Protein, Vector and  
NUMBER OF SEQUENCES: 48  
CORRESPONDENCE ADDRESS:  
ADDRESS: PRETTY, SCIENCE & POLANSKI  
CITY: Los Angeles (B) STREET:  
STATE: California 444 South Flower St., Suite 1900  
COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0,  
SOFTWARE: Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US-08-463-0748  
FILING DATE: 5-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US-08/104,736  
FILING DATE: 10-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/796,066  
FILING DATE: 20-NOV-91  
ATTORNEY/AGENT INFORMATION:  
NAME: Viviana Amzel, Ph. D.  
REGISTRATION NUMBER: 30,930  
REFERENCE/KEYWORD NUMBER: p66 3814 (DART-020)  
TELEPHONE: (213) 622-7700  
TELEFAX: (213) 489-4210  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 763 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-463-0748-B  
Query Match 4.78; Score 11; DB 3; Length 763;  
Best Local Similarity 100.0%; Prod. No. 0.028;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Query 216 100000000000 226  
Db 592 100000000000 602  
RESULT 21  
US-08-465-5850-B  
Sequence 8, Application US/084655850  
Patent No. 6027914  
GENERAL INFORMATION:  
APPLICANT: Smith, K. A. & Beadling, C.  
TITLE OF INVENTION: Nucleic Acids Encoding C21 Fusion Protein, Vector  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESS: PRETTY, SCIENCE & POLANSKI  
CITY: Los Angeles (B) STREET:  
STATE: California 444 South Flower St., Suite 1900  
COUNTRY: USA  
ZIP: 900071

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08-465,5850  
FILING DATE: 5-JUNE-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US08 08/330,108  
FILING DATE: 27-OCT-1994  
APPLICATION NUMBER: US08 08/734,736  
FILING DATE: 10-AUG-1994  
APPLICATION NUMBER: US08 07/796,066  
FILING DATE: 20-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Viviana Amzel, Ph. D.  
REGISTRATION NUMBER: 30,930  
REFERENCE/KEYWORD NUMBER: p66 3813 (DART-050)  
TELEPHONE: (213) 622-7700  
TELEFAX: (213) 489-4210  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 763 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-465-5850-B  
Query Match 4.78; Score 11; DB 3; Length 763;  
Best Local Similarity 100.0%; Prod. No. 0.028;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Query 216 100000000000 226  
Db 592 100000000000 602  
RESULT 22  
US-08-652-446-B  
Sequence 8, Application US/08652446  
Patent No. 6057427  
GENERAL INFORMATION:  
APPLICANT: Smith, Kendall A. & Beadling, Carol  
TITLE OF INVENTION: Nucleic Acids Encoding C25  
NUMBER OF SEQUENCES: 48  
CORRESPONDENCE ADDRESS:  
ADDRESS: PRETTY, SCIENCE & POLANSKI  
CITY: Los Angeles (B) STREET:  
STATE: California 444 South Flower St., Suite 1  
COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patent In Release #1.0,  
SOFTWARE: Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08-652,446  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP App. # 96921319.8  
FILING DATE: 5 JAN 1998  
APPLICATION NUMBER: EP App. # 96921319.4  
FILING DATE: 5-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/330,108

1 FIRST: 23  
 2 RS: 0041-6596 2  
 3 SOURCE: 2, Application: 02/00416596  
 4 Patent No.: 0693407  
 5 GENERAL INFORMATION:  
 6 APPLICANT: KOWAL-SUTCHMAN, LEONID  
 7 APPLICANT: KOWAL, YOSHIRO  
 8 APPLICANT: HEYING, LILIAN A.  
 9 TITLE OF INVENTION: Matrix Assisted Laser Binding Protein  
 10 TITLE OF INVENTION: Matrix Assisted Laser Binding Protein  
 11 TITLE OF INVENTION: Matrix Assisted Laser Binding Protein  
 12 NUMBER OF SPECIMENS: 24  
 13 CORRESPONDENT ADDRESS:  
 14 ADDRESSEE: Campbell & Flores, LLP  
 15 STREET: 470 La Jolla Village Drive, Suite 700  
 16 CITY: San Diego  
 17 STATE: California  
 18 COUNTRY: United States  
 19 ZIP: 92122  
 20 COMPUTER READABLE FORM:  
 21 MEDIUM TYPE: Floppy disk  
 22 COMPUTER: IBM PC compatible  
 23 OPERATING SYSTEM: PC-DOS/MS-DOS  
 24 SOFTWARE: Patent In Release #1.0, Version #1.25  
 25 CURRENT APPLICATION DATA:  
 26 APPLICATION NUMBER: 02/00416596

RESULT 24  
 DS-08-188-562-2  
 Sequence 2: Application DS/08188582  
 Report No.: 554410  
 GENERAL INFORMATION:  
 APPLICANT: Tian, Robert  
 APPLICANT: Comali, Lucio  
 APPLICANT: Dyalach, Brian D.  
 APPLICANT: Healy, Timothy  
 APPLICANT: Ruppert, Stuart  
 APPLICANT: Tanaka, Naoko  
 APPLICANT: Wang, Ruth  
 APPLICANT: Woodruff, Robert G.  
 TITLE OF INVENTION: DATA REPORT PRESENTATION AND ASSOCIATED EXPENSES  
 TITLE OF INVENTION: REGULATION ATTORNEY FEES/INVENTOR FEE AND METHODS OF USE  
 NUMBER OF SEQUENCES: 30  
 CREATOR/INVENTOR ADDRESS:  
 ADDRESSEE: FLEHR, BRYAN W. 12577 ABERDEEN A. HERRICK  
 STREET 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-4187  
 COMPUTER READABLE FORM:  
 REPORT DATE: 11/97, Job  
 NUMBER: 188 for computer file  
 DATE: 05/198 for 12/97 job  
 SOFTWARE: Patent to Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/79,188,582  
 FILING DATE: 28-JAN-1994  
 CLASSIFICATION: 435  
 ALTERNATIVE INFORMATION:  
 NAME: PSMOD, Richard A.  
 REGISTRATION NUMBER: 44,627  
 REGISTRATION DATE: 05/97, 05/97, 6/97, 7/97, 8/97, 9/97  
 TELEPHONE: (415) 781-1089  
 TELEPHONE: (415) 781-1089  
 TELEFAX: (415) 498-4249  
 FAX: (415) 277-2799  
 INFORMATION FROM DS/08188582: 25  
 SOURCE: CHARACTERS  
 LENGTH: 521 unique words

TYPE: amino acid  
 topology: linear  
 MOLECULE TYPE: protein  
 US-09-909-005-1

Query Match 4.78; Score 11; DB 1; Length 921;  
 Post Local Similarity 100.0%; Prod. No. 0.034;  
 Matches 11; Conservative 0; Mismatches 0; Gaps 0;  
 QY 219 0000000000 228  
 DB 72 000000000010 82

RESULT 25  
 US-09-909-005-1  
 Sequence 2; Application US/08646715  
 Patent No. 5637686  
 GENERAL INFORMATION:  
 APPLICANT: Tjian, Robert  
 APPLICANT: Comati, Lucio  
 APPLICANT: Dynalco, Brian D.  
 APPLICANT: Hoey, Timothy  
 APPLICANT: Rappert, Steven  
 APPLICANT: Lanes, Naeke  
 APPLICANT: Wang, Rife  
 APPLICANT: Winzler, Robert G.  
 TITLE OF INVENTION: DATA HANDLING TECHNIQUE ASSOCIATED FACTORS,  
 TITLE OF INVENTION: POLYPEPTIDE AND METHOD OF USE  
 NUMBER OF SEQUENCES: 46  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLEHR, ROBERT, TEST, ALBERTSON & BEEBE  
 STREET: 4 Emeryville Center, Suite 2400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-4187  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 05/09/646-715  
 FILING DATE: 09-MAY-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/188,582  
 FILING DATE: 28-JAN-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Osmun, Richard A.  
 REGISTRATION NUMBER: 46,627  
 REFERENCE TO OTHER PATENTS: 46,627  
 FIELD OF INVENTION INFORMATION:  
 TELEPHONE: (415) 781-1909  
 TELEFAX: (415) 498-8249  
 TELEX: 910 277299  
 INFORMATION FOR SEQ ID NO: 25  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 921 amino acids  
 TYPE: amino acid  
 topology: linear  
 MOLECULE TYPE: protein  
 US-09-909-005-1

Query Match 4.78; Score 11; DB 1; Length 921;  
 Post Local Similarity 100.0%; Prod. No. 0.034;  
 Matches 11; Conservative 0; Mismatches 0; Gaps 0;  
 QY 218 0000000000 228  
 DB 72 000000000010 82

DB 72 000000000010 82

RESULT 26  
 US-09-041-886-8  
 Sequence 8; Application US/09041886  
 Patent No. 6255872  
 GENERAL INFORMATION:  
 APPLICANT: Broadson, Dale E.  
 APPLICANT: Radzadob, Sharoz  
 TITLE OF INVENTION: Polypeptides and Methods of Use  
 NUMBER OF SEQUENCES: 72  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Campbell & Flores LLP  
 STREET: 470 La Jolla Village Drive, Suite 700  
 CITY: San Diego  
 STATE: California  
 COUNTRY: United States  
 ZIP: 92122  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 05/09/041-886  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Campbell, Catrino A.  
 REGISTRATION NUMBER: 31,815  
 REFERENCE TO OTHER PATENTS: 31,815  
 TELEPHONE: (619) 545-8949  
 TELEFAX: (619) 545-9001  
 INFORMATION FOR SEQ ID NO: 8  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 10 amino acids  
 TYPE: amino acid  
 topology: linear  
 MOLECULE TYPE: peptide  
 US-09-041-886-8

Query Match 4.78; Score 10; DB 4; Length 10;  
 Post Local Similarity 100.0%; Prod. No. 0.0055;  
 Matches 10; Conservative 0; Mismatches 0; Gaps 0;  
 QY 217 0000000000 226  
 DB 1 0000000000 10

RESULT 27  
 US-09-041-886-7  
 Sequence 7; Application US/09041886  
 Patent No. 6255872  
 GENERAL INFORMATION:  
 APPLICANT: Broadson, Dale E.  
 APPLICANT: Radzadob, Sharoz  
 TITLE OF INVENTION: Polypeptides and Methods of Use  
 NUMBER OF SEQUENCES: 72  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Campbell & Flores LLP  
 STREET: 470 La Jolla Village Drive, Suite 700  
 CITY: San Diego  
 STATE: California  
 COUNTRY: United States  
 ZIP: 92122  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US-09-041-948A  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn A.  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-11 2626  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ. ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-041-886-7

Query Match 4.38; Score 10; DB 4; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Caps 0.

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1111111111  
DB 1 0000000000 10

RESULT 28  
US-08-094-948A-6  
Sequence 6, Application US/0809494A  
Patent No. 5621075  
GENERAL INFORMATION:  
APPLICANT: Kahn, C. Ronald  
APPLICANT: White, Morris F.  
APPLICANT: Rothenberg, Paul Louis  
TITLE OF INVENTION: INSULIN RECEPTOR SUBSTRATE  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Lahive & Cockfield  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: 35,965  
FILING DATE: 21-JULY-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US-07/643,982  
FILING DATE: 18-JAN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Louis (PLM)  
REGISTRATION NUMBER: 35,965  
REFERENCE/DOCKET NUMBER: JDP-013DV  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ. ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
STEREOMERISM: single  
TOPOLOGY: linear

US-08-094-948A-6

Query Match 4.38; Score 10; DB 1; Length 18;  
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Caps 0;

Q? 217 0000000000 226  
1111111111  
DB 2 0000000000 11

RESULT 29  
PCT-US96-09319-6  
Sequence 6, Application PC/TUS9609319  
GENERAL INFORMATION:  
APPLICANT: Kahn, C. Ronald  
APPLICANT: White, Morris F.  
APPLICANT: Rothenberg, Paul Louis  
TITLE OF INVENTION: INSULIN RECEPTOR SUBSTRATE  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Lahive & Cockfield  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/09319  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US-09/094,948  
FILING DATE: 21-JULY-1993  
APPLICATION NUMBER: US-07/643,982  
FILING DATE: 18 JAN 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Louis (PLM)  
REGISTRATION NUMBER: 35,965  
REFERENCE/DOCKET NUMBER: JDP-013DV  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ. ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
STEREOMERISM: single  
TOPOLOGY: linear  
PCT-US96-09319-6

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Matches 10; Conservative 0; Mismatches 0; Indels 0; Caps 0;

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1111111111  
DB 2 0000000000 11

RESULT 30  
US-09-041-886-9  
Sequence 9, Application US/09041886  
Patent No. 6,250,872  
GENERAL INFORMATION:  
APPLICANT: Brodesen, Dale E.  
APPLICANT: Kabiszack, Sharon

1 TITLE OF INVENTION: Photographic peptides: Dependence  
 2 TITLE OF INVENTION: Photographic peptides and Methods of use  
 3 NUMBER OF SEQUENCES: 72  
 4 CORRESPONDENT ADDRESS:  
 5 ADDRESSEE: Campbell & Flores LLP  
 6 STREET: 4470 La Jolla Village Drive, Suite 700  
 7 CITY: San Diego  
 8 STATE: California  
 9 COUNTRY: United States  
 10 ZIP: 92122  
 11 COMPUTER READABLE FORM:  
 12 MEDIUM TYPE: Floppy disk  
 13 COMPUTER: IBM PC compatible  
 14 OPERATING SYSTEM: PC DOS/MS-DOS  
 15 SOFTWARE: Patent In Release #1.0, Version #1.25  
 16 CURRENT APPLICATION DATA:  
 17 APPLICATION NUMBER: 09/259,041, 886  
 18 FILING DATE:  
 19 CLASSIFICATION:  
 20 ATORNEY/AGENT INFORMATION:  
 21 NAME: Campbell, Carolyn A.  
 22 REGISTRATION NUMBER: 41,815  
 23 REFERENCE/WORK NUMBER: P. 2626  
 24 TELECOMMUNICATION INFORMATION:  
 25 TELEPHONE: (619) 535-9001  
 26 TELEFAX: (619) 535-8949  
 27 INFORMATION FOR SEQ ID NO: 9:  
 28 SEQUENCE CHARACTERISTICS:  
 29 LENGTH: 25 amino acids  
 30 TYPE: amino acid  
 31 TOPOLOGY: linear  
 32 MOLECULE TYPE: peptide  
 33 US 09-041-886-9

Query Match 4.8%; Score 10; Lr 4; Length 25;  
 Best Local Similarity 100.0%; Pval. No. 0.012;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Q7 217 0000000000 226  
 10 1111111111  
 10 0000000000 10

Search completed: May 30, 2002, 06:07:07  
 Job time: 119 sec

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text suggests that organizations should implement robust systems to track and document every aspect of their operations, from procurement to sales.

2. The second part of the document addresses the challenges of data management in a rapidly changing environment. It highlights the need for flexible and scalable solutions that can adapt to evolving requirements. The author argues that investing in modern data infrastructure is crucial for ensuring that organizations can effectively analyze and utilize their data for strategic decision-making.

3. The third part of the document focuses on the role of technology in enhancing operational efficiency. It explores various digital tools and platforms that can streamline processes, reduce errors, and improve overall productivity. The text encourages organizations to embrace innovation and continuously seek out new technological advancements to stay competitive in the market.

4. The fourth part of the document discusses the importance of collaboration and communication in achieving organizational goals. It stresses that effective teamwork and clear communication channels are vital for coordinating efforts and ensuring that everyone is aligned with the organization's mission and vision. The author suggests that regular meetings and open lines of communication can foster a culture of collaboration and shared responsibility.

5. The fifth part of the document concludes by summarizing the key points discussed and offering final thoughts on the future of business operations. It reiterates the importance of maintaining accurate records, managing data effectively, leveraging technology, and fostering collaboration. The author expresses optimism about the potential for continued growth and success through the implementation of these principles.















116274  
 1 Phosphatidyltransferase (Gene 27.1.1.7) - cDNA from *Dictyostelium discoideum*  
 cSpecies: *dictyostelium discoideum*  
 cDate: 15-Oct-1999 #sequence\_revision 15-Oct 1999 #last\_change 15-Oct-1999  
 cAccession: 116274  
 cRelease: K. Takemura, K. Imai, S. I. Fritsch, E. A.  
 Mol. Cell. Biol. 19: 5645-5656, 1995  
 cTitle: A phosphatidyltransferase (P1) kinase from *Dictyostelium discoideum* R1  
 cReference number: Z06411  
 cAccession: 116274  
 cRelease: K. Takemura, K. Imai, S. I. Fritsch, E. A.  
 cMolecule type: mRNA  
 cAccession: 11685 #280  
 cRelease: K. Takemura, K. Imai, S. I. Fritsch, E. A.  
 cReference number: EMBL:U24779; NID:270224; FID:270224; FID:AA05723.1  
 cKeywords: phosphatidyltransferase

Query Match 4.7% Score 11; DB 2; Length 1585  
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 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 DB 719 10000000000 729

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 Hypothetical protein K05\_c011882 - *Mycoplasma pneumoniae* (strain ATCC 29342)  
 cSpecies: *Mycoplasma pneumoniae*  
 cVariety: ATCC 29342  
 cDate: 27-Feb-1997 #sequence\_revision 27 Apr 1997 #last\_change 07 Nov 1999  
 cAccession: S74484; S62840  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 Nucleic Acids Res. 24: 4420-4449, 1996  
 cTitle: Complete sequence analysis of the genome of the bacterium *Mycoplasma pneumoniae*  
 cReference number: S74427; M010:97105885  
 cAccession: S74484  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 cMolecule type: DNA  
 cAccession: 116047 #006  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 cReference number: EMBL:AF000127; CR:200089; NID:41673022; FID:AA05806.1; FID:4167384  
 cTitle: The nucleotide sequence was submitted to the EMBL Data Library, November 1996  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 Nucleic Acids Res. 24: 628-629, 1996  
 cTitle: Sequence analysis of the genome of the bacterium *Mycoplasma pneumoniae*  
 cReference number: S62797; M010:96177662  
 cAccession: S62840  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 cMolecule type: DNA  
 cAccession: 116840  
 cRelease: K. J. Hiltner, H. J. Plagens, H. J. Fritsch, E. J. Li, B. C. Herrmann, R.  
 cReference number: EMBL:U24779; NID:270224; FID:270224; FID:AA05723.1  
 cKeywords: phosphatidyltransferase

Query Match 4.7% Score 11; DB 2; Length 1585  
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 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 DB 1245 10000000000 1245

RESULT 26  
 108875  
 histidine kinase homolog hdkA - silane motif (1) from *Dictyostelium discoideum*  
 cSpecies: *dictyostelium discoideum*

cDate: 15-Jun-1999 #sequence\_revision 11-Jun 1999 #last\_change 11-May-2000  
 cAccession: 108875  
 cRelease: M. J. Stuetgen, G. R.  
 Rev. Biol. 196: 171-184, 1998  
 cTitle: The histidine kinase hdkA regulates sporulation in *dictyostelium*  
 cReference number: 217056; M010:9624897  
 cAccession: 108875  
 cRelease: M. J. Stuetgen, G. R.  
 cMolecule type: DNA  
 cAccession: 11609 #218  
 cRelease: M. J. Stuetgen, G. R.  
 cReference number: EMBL:U24779; NID:270224; FID:270224; FID:AA05723.1  
 cKeywords: histidine kinase response regulator homology (RRH)

Query Match 4.7% Score 11; DB 2; Length 1969  
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 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 216 10000000000 226  
 DB 1718 10000000000 1728

RESULT 27  
 118857  
 trithorax protein - fruit fly (*Drosophila virilis*)  
 cSpecies: *Drosophila virilis*  
 cDate: 23-Sep-1997 #sequence\_revision 23 Sep 1998 #last\_change 17 Nov 2000  
 cAccession: 118857  
 cRelease: A.  
 submitted to the EMBL Data Library, July 1995  
 cReference number: 217801  
 cAccession: 118857  
 cRelease: A.  
 cMolecule type: DNA  
 cAccession: 116828 #047  
 cRelease: A.  
 cReference number: EMBL:U24779; NID:270224; FID:270224; FID:AA05723.1  
 cKeywords: trithorax protein

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 DB 2506 10000000000 2516

RESULT 28  
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 interleukin-2 mouse (1) mouse (1)  
 cSpecies: *mus musculus* (house mouse)  
 cDate: 22-Aug-1997 #sequence\_revision 22 Aug 1998 #last\_change 16 Jul 1999  
 cAccession: 168871  
 cRelease: A.  
 cMolecule type: DNA  
 cAccession: 116871  
 cRelease: A.  
 cReference number: EMBL:U24779; NID:270224; FID:270224; FID:AA05723.1  
 cKeywords: interleukin-2 molecule

Accession: U010706; NM\_119612; F08 AAA0929.1; F08 334619  
 of protein:  
 Accession: 11.2  
 of Superfamily: Interleukin-2

Query Match 4.48; Score 10; DB 2; Length 72;  
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 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 1111111111  
 26 45 0000000000 44

RESULT 29  
 S27397  
 hemocytic protein cdx-1 - rat (fragment)  
 of Species: Rattus norvegicus (Norway rat)  
 of Date: 22 Nov 1993 #sequence\_revision of Sep 1995 #ext\_change 24-Sep-1999  
 of Accession: S27397  
 of Found: J.N.; Boukamel, R.; Benazzou, A.  
 of Ref: 414, 163-166, 1992  
 of FHS Ref: 414, 163-166, 1992  
 of Active: Gradient expression of cdx along the rat intestine throughout postnatal develop  
 of Reference number: S27397; M010:9309164  
 of Accession: S27397  
 of Status: Preliminary  
 of Molecule Type: RNA  
 of Position: 1-123 + PEE  
 of Cross-references: EMBL:M01470; NID:Q203399; PIR:AAA0907.1; PIR:Q203400  
 of Protein:  
 of Annotation: 48/3  
 of Superfamily: trans-10-1 hemocytic protein; hemocytic hemocytic  
 of Keywords: DNA binding; hemocytic; myeloid; transcription regulation  
 of 6.2/binding; hemocytic hemocytic; HX

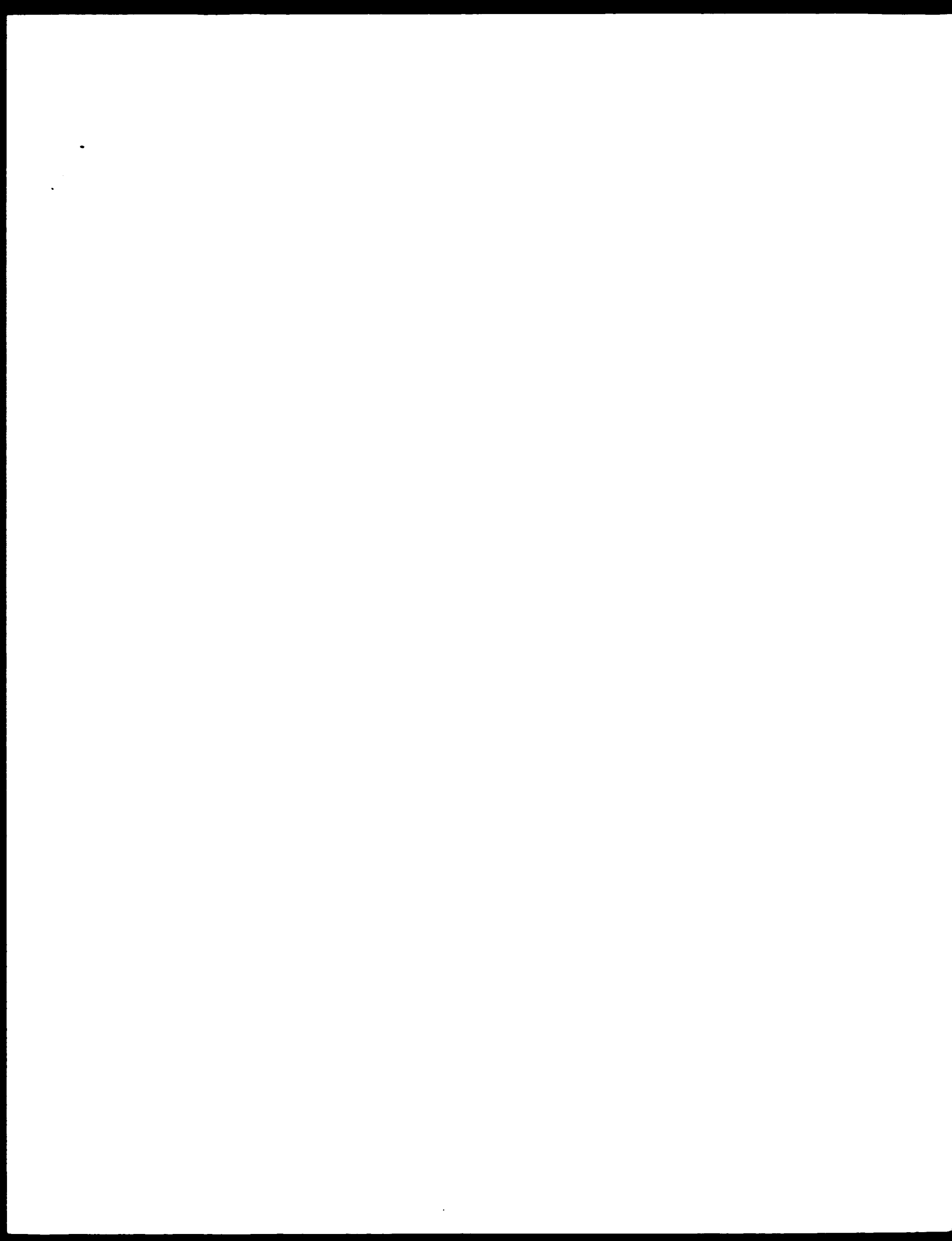
Query Match 4.48; Score 10; DB 2; Length 124;  
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 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 1111111111  
 16 68 0000000000 77

RESULT 30  
 A37941  
 napin - Swedish turnip (Brassicaceae)  
 of Species: Brassica napus var. napifera (Swedish turnip, rutabaga)  
 of Date: 31 Mar 1991 #sequence\_revision of May 1991 #ext\_change 22 Apr 1995  
 of Accession: A37941  
 of Found: J.; Nikolova, D.; Voshov, I.; Guev, N.  
 of Carlberg Res. Comm: 54, 281-290, 1989  
 of Active: Isolation and characterization of a trypsin inhibitor from the seeds of kohlrabi  
 of Reference number: A37941; M010:9129296  
 of Accession: A37941  
 of Status: Preliminary  
 of Molecule Type: Protein  
 of Position: 1-124 + SYE  
 of Superfamily: wheat alpha-amylase inhibitor

Query Match 4.48; Score 10; DB 2; Length 124;  
 best local similarity 100.0%; Prod. No. 0.047;  
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Search completed: May 30, 2002, 06:02:56  
 Job Time: 76 Sec

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GenCorp version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd

protein - protein search, using sw model

Run on: May 30, 2002, 06:07:09 ; Search time 24.78 seconds  
(with boot of hardware)

HS-09-9005-1

Perfect Score:	233
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Secondary tabes: M.E.(?)

105224 seqs, 38719550 residues

Word size :

Total number of hits satisfying chosen parameters: 105224

Minimum DBS seq length: 2000000000

post processing. Listing first 50 summaries

Database : SwissProt\_4()

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARY

Postid	Score	Match	Length	DB	ID	Description
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2	12	5.2	427	1	ACC_DROME	P14197 drosophila
3	11	4.7	163	1	TOBI_MOUSE	Q61471 mus muscul
4	11	4.7	519	1	MEP6_MOUSE	P29722 mus muscul
5	11	4.7	550	1	CEP_DROME	P41046 drosophila
6	11	4.7	552	1	SMG1_DROME	P31135 drosophila
7	11	4.7	612	1	APPL_DROME	P45589 drosophila
8	11	4.7	700	1	PRG_DROME	P23645 drosophila
9	11	4.7	722	1	YMKL_DROME	P44489 drosophila
10	11	4.7	742	1	PRG_VIRAT	P36691 drosophila
11	11	4.7	753	1	SAT1_MOUSE	Q60126 homo sapien
12	11	4.7	754	1	SAT1_MOUSE	Q60126 mus muscul
13	11	4.7	800	1	ABMT_RAT	P41739 ratia norv
14	11	4.7	921	1	CE3_DROME	P17825 drosophila
15	11	4.7	960	1	BLG1_DROME	P31887 drosophila
16	11	4.7	1211	1	HPN2_DROME	Q34523 drosophila
17	11	4.7	1301	1	PRP2_DROME	P25832 drosophila
18	11	4.7	1584	1	PRP2_DROME	P44662 drosophila
19	11	4.7	1882	1	T46B_DROME	P75130 mycoplasma
20	11	4.7	1926	1	APF1_MOUSE	Q61726 mus muscul
21	11	4.7	1926	1	APF1_MOUSE	Q61726 mus muscul
22	10	4.3	124	1	CSX1_RAT	Q05095 ratia norv
23	10	4.3	150	1	CSX1_MOUSE	P29496 ratia norv
24	10	4.3	157	1	HPVA_SCHICK	P24556 schistocer
25	10	4.3	164	1	GM12_DROME	P26031 drosophila
26	10	4.3	169	1	EL2_MOUSE	P04751 mus muscul
27	10	4.3	186	1	G8AB_MOUSE	P04728 drosophila
28	10	4.3	191	1	YF55_MOUSE	P04128 drosophila
29	10	4.3	192	1	HPH2_MOUSE	P17212 drosophila
30	10	4.3	196	1	HPH3_DROME	Q46256 drosophila
31	10	4.3	198	1	HPH3_DROME	Q46238 drosophila
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## ALTERNATIVES

[illegible]





Dr	FELSLER; ISU192; HM
Dr	FELSLER; ISU065; HM



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01 MAK 2002 (Ref. 41, last annotation update)
02 Hydrophobic B1.8 for protein K01B.1. In bioassay 111.
03 K01B.1.
04 Cytosolic protein.
05 Cytosolic protein.
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01 MAK 2002 (Ref. 41, last annotation update)
02 Hydrophobic B1.8 for protein K01B.1. In bioassay 111.
03 K01B.1.
04 Cytosolic protein.
05 Cytosolic protein.
06 K01B.1.
07 K01B.1.
08 K01B.1.
09 K01B.1.
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93 K01B.1.
94 K01B.1.
95 K01B.1.
96 K01B.1.
97 K01B.1.
98 K01B.1.
99 K01B.1.
100 K01B.1.

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	Cat# Match	4.7%	Score 15, DB 1, Length 1211;
	Best local similarity	100.0%	Pred. No. 0.0078)
OY	217 000000000000T 227		
DB	610 000000000000T 620		
<hr/>			
RESULT 17			
TFP9.DNAME	STANDARD:	PRTY:	1301 AA.
ID	PIF69.DNAME		
AC	PIF69I2:		
DE	01 JUN 1994 (Rel. 29, created)		
FE	01 JUN 1994 (Rel. 29, last sequence update)		
DT	01 MAY 2002 (Rel. 41, last annotation update)		
DEF	Protein Tyrosine phosphatase 99A precursor (EC 3.1.3.48) (Receptor-linked protein tyrosine phosphatase 99A).		
OR	PIF99A.		
OS	Drosophila melanogaster (Fruit fly).		
OC	Eukaryota, Metazoa, Arthropoda, Tracheata, Hexapoda, Insecta; Euryptera, Neoptera, Euleryptera, Diptera, Brachytera, Muscomorpha; Ephydroidea, Procephallidae; Drosophila.		
CC	NCBI_Taxid 7227;		
LN	[1]		
RP	SEQUENCE FROM N.A.		
PC	TISSUE: Eye, hemolymph disk;		
PA	MEDLINE=92107930; PubMed=1662390;		
RA	Hartshorn L.K., Chuang P.-T., Rubin G.M.;		
RT	"Cloning and characterization of a receptor-class phosphotyrosine phosphorylating gene expressed via cellular nervous system axons in Drosophila melanogaster."		
L1	Proc. Natl. Acad. Sci. U.S.A. 88:11286-11270(1991).		
RL	[2]		
RP	SEQUENCE FROM N.A.		
PC	TISSUE: Embryo;		
RX	MEDLINE=92034989; PubMed=1657402;		
RA	Tian S.-S., Tsoulfas P., Zinn K.;		
RT	"Direct receptor linked protein tyrosine phosphatases are selectively expressed via central nervous system axons in the Drosophila embryo."		
KL	Cell 67:675-685(1991).		
LN	[3]		
RP	SEQUENCE FROM N.A.		
PC	TISSUE: Embryo;		
RX	MEDLINE=92034988; PubMed=1657401;		
RA	Yang X., Snow K.T., Bahni S.M., Con S.H., Chia W.;		
RT	"Two Drosophila receptor like tyrosine phosphatase genes are expressed in a subset of developing axons and protect neurons in the embryonic CNS."		
RL	Cell 67:661-673(1991).		
CC	1 FUNCTION: MAY HAVE A KEY ROLE IN SIGNAL TRANSDUCTION AND GROWTH CONTROL.		
CC	1 CATALYTIC ACTIVITY: Protein tyrosine phosphatase + H <sub>2</sub> O -> protein tyrosine + phosphate.		
CC	-1 SUBCELLULAR LOCATION: Type I membrane protein.		
CC	-1 ALTERNATIVE PRODUCTS: TWO ISOFORMS THAT DIFFER IN THEIR C-TERMINAL TAILS ARE PRODUCED BY ALTERNATIVE SPLICING.		
CC	1 TISSUE SPECIFICITY: SELECTIVELY EXPRESSED IN A SUBSET OF AXONS AND FIBROBLASTS IN THE EMBRYO.		
CC	1 SIMILARITY: CONTAINS 3 FIBRONECTIN TYPE III-LIKE DOMAINS.		
CC	-1 SIMILARITY: CONTAINS 2 PREPEPTIDYLKINASE PHOSPHATASE DOMAINS.		
CC	This SWISS-PROT entry is copyrighted. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL contribution to the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial		





100

OR: 13041, M+145.0, AAA40907.1;  
 IR: 13351, P14554; 1372.



1b InterPro: IPRO01827; Antennapedia.  
 1c InterPro: IPRO01896; Homodiox.  
 1d Pfam: PF00486; Homodiox.  
 1e SMART: SM00489; HOX: 1.  
 1f PROSITE: PS00027; HOMEBOX\_1.  
 1g PROSITE: PS00042; ANTENNAPEDIA; FANTAL.  
 1h PROSITE: PS00071; HOMEBOX\_2.  
 1i Homodiox: LNA binding developmentally regulated nuclear protein.  
 1j Non\_Her  
 1k LNA\_BIND 6 65 HOMEBOX.  
 1l HOMEIN 5 114 LNA & TA REPEAT.  
 1m PROSITE: PS00071; HOMEBOX\_2.  
 1n SEQUENCE 157 AA: 19076 MW: 6060606060214 CP:044

Query Match 4.8% Score 109 DB 1 Length 157  
 Best Local Similarity 100.0% Ident. No. 0.012  
 Matches 102 Conserved 02 Mismatches 02 Gaps 02  
 07 217 00000000000 226  
 1b 36 00000000000 104

RESULT 25  
 0V17-GENVO  
 ID 0V17-GENVO STANDARD: PRT: 154 AA.  
 AC P36991;  
 DT 01-JUN-1994 (rel. 29, Created)  
 DT 01-JUN-1994 (rel. 29, Last sequence update)  
 DT 15-MAR-1998 (rel. 36, Last annotation update)  
 DE 0V17 antigen precursor (Immunodominant hypodermal antigen).  
 GN 0V17.  
 OS Onchocerca volvulus.  
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Spirurida; Filarioidea;  
 OC Onchocercidae; Onchocera.  
 OX MRL\_04816.2.2.2;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN 1.3 / BATH-0057  
 RX MEDLINE 94074642; PubMed 8253155;  
 RA Bradley J.E., Funn R.S., Seefelt K.J., Fren L.L.M., Malacof R.M.,  
 Kohn R., Gregory W.F., Unasch L.R.  
 RT "Onchocerca volvulus: characterization of an immunodominant  
 RT hypodermal antigen present in adult and larval parasites."  
 RL Exp. Parasitol. 77:414-424(1993).  
 CC 1. ISSUE SPECIFICITY: HIGH LEVELS IN THE HYPODERMAL TAPPE OF THE  
 CC ADULT FEMALE  
 CC 2. DEVELOPMENTAL STAGE: PRESENT IN LARVAE AND IN ADULT PARASITES.

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 09 for send an email to EMBL@ebi.ac.uk)

01 EMBL: 000693; AAA18283.1;  
 02 L1411702; J14309577; J01115;  
 03 Pfam: PF00486; G0P148; 1.  
 04 Antigen: Stimul.  
 05 STRAIN: 1 16 PROTEINAT.  
 06 CHAIN 17 164 OV17 ANTIGEN.  
 07 DOMAIN 22 32 PROLY-GLN.  
 08 SEQUENCE 154 AA: 18764 MW: 604050606060214 CP:044

Query Match 4.8% Score 109 DB 1 Length 154  
 Best Local Similarity 100.0% Ident. No. 0.013  
 Matches 102 Conserved 02 Mismatches 02 Gaps 02  
 07 217 00000000000 226  
 1b 36 00000000000 104

1b 22 00000000000 41

RESULT 26  
 11.2\_MOUSE  
 ID 11.2\_MOUSE STANDARD: PRT: 159 AA.  
 AC P04351; P07945;  
 DT 20-MAR-1987 (rel. 04, Created)  
 DT 20-MAR-1987 (rel. 04, Last sequence update)  
 DT 16-OCT-2001 (rel. 40, Last annotation update)  
 DE Interleukin-2 precursor (IL-2) (T cell growth factor) (IL-2).  
 GN IL2 OR IL2.  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurodonta; Muridae; Murinae; Mus.  
 OX MRL\_Famid.10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN 05784/76;  
 RX MEDLINE 85114172; PubMed 8918406;  
 RA Yokoyka T., Arai H., Lee F., Kunkel D., Mosmann T., Arai K., et al.  
 RT "Use of a cDNA expression vector for isolation of mouse interleukin-2  
 RT cDNA clones: expression of T-cell growth factor activity after  
 RT transfection of monkey cells."  
 RL Proc. Natl. Acad. Sci. U.S.A. 82:68-72(1985).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN-B10H6;  
 RX MEDLINE 85111148; PubMed-2578624;  
 RA Kaslano H., Nishi T., Kato K., Fujita T., Taki S., Yamada G.,  
 RA Hamuro J., Taniguchi I.  
 RT "Unique structure of murine interleukin-2 as deduced from cloned  
 RT cDNA."  
 RL Nature 314:402-404(1985).  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN BATH/02  
 RX MEDLINE 85087940; PubMed-6240025;  
 RA Fong A., Fong J., Fong J., Fong J., Fong J., Fong J., et al.  
 RA "Isolation and structure of the mouse interleukin-2 gene."  
 RL Nucleic Acids Res. 12:942-944(1984).  
 RN [4]  
 RP SEQUENCE FROM N.A.  
 RC MEDLINE 86118366; PubMed-3003564;  
 RA Lechner A., Schmechel E., Fong J., Fong J., Fong J., Fong J., et al.  
 RA "Isolation and structure of a mouse interleukin-2 cDNA clone."  
 RL Mol. Biol. Rep. 11:57-61(1985).  
 RN [5]  
 RP SEQUENCE OF 1.63 FROM N.A.  
 RC STRAIN RE/23; IL2-SP-002;  
 RX MEDLINE 9207791; PubMed-849081;  
 RA Matsuda T., Arai H., Arai H., Arai H., Arai H., Arai H., et al.  
 RT "A new cDNA sequence for the murine interleukin-2 gene."  
 RL Biochem. Biophys. Acta 1132:335-336(1992).  
 RN [6]  
 RP SEQUENCE OF 1.63 FROM N.A.  
 RC STRAIN RE/23; IL2-SP-002;  
 RX MEDLINE 94041941; PubMed 1426417;  
 RA Matsuda T., Arai H., Arai H., Arai H., Arai H., Arai H., et al.  
 RT "A new cDNA sequence for the murine interleukin-2 gene."  
 RL Biochem. Biophys. Acta 1132:335-336(1992).  
 RN [7]  
 RP 3D-STRUCTURE MODELING;  
 RX MEDLINE 9408506; PubMed 8262355;  
 RA Zurewsky S., Vega E., Fong J., Fong J., Fong J., Fong J., et al.  
 RA "Isolation and structure of a mouse interleukin-2 cDNA clone that  
 RT interact with its heteromeric receptor."  
 RL EMBL: J145113-5(1993).  
 CC 1. FUNCTION: RECEPTOR FOR IL-2; BINDS TO ANTIGENIC PE

[illegible]

	RESULT	CLASS	WHEAT	STARTING	PR.	196 AA.
A <sup>a</sup>	1047287	CLAS WHEAT				
B <sup>b</sup>	13 AUG-1987 (Rel., 95% created)					
C <sup>c</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
D <sup>d</sup>	15 JUNE-1999 (Rel., 38% last accident from update)					
E <sup>e</sup>	Alpha/Beta-galactin clone pro-A10 (prolamin) (Fragment).					
F <sup>f</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
G <sup>g</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
H <sup>h</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
I <sup>i</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
J <sup>j</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
K <sup>k</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
L <sup>l</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
M <sup>m</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
N <sup>n</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
O <sup>o</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
P <sup>p</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
Q <sup>q</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
R <sup>r</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
S <sup>s</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
T <sup>t</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
U <sup>u</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
V <sup>v</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
W <sup>w</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
X <sup>x</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
Y <sup>y</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					
Z <sup>z</sup>	13 AUG-1987 (Rel., 95% last accident at 13.5%)					

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Query Match: 4 46 Score 101 100 12 Length 1665
Best Local Similarity 100.00% Prod. No. 0.0157
Database: 10, Unreduced, 0, Blastdb100 07 Indexes 07 Gaps 07
07 217 000000000000 226
      11111111
Db: 16 000000000000 25

RESULT 28
1025-FAST
10 RECD_MATCH STAGGARD, FRT, 101 AA.
AC: 1 001365
05 01 JUN 1994 (rel: 29, Updated)
07 01 JUN 1994 (rel: 29, Last sequence update)
10 01 JUN 1994 (rel: 29, Last annotation update)
10E Hypothetical 21.1 KDa protein in GAD1 intergenic region.
GN YK0450.
05 Saccharomyces cerevisiae (Baker's yeast).
07 Baker's yeast, Fungal Ascomycota, Saccharomycotina, Saccharomycetes,
07 Saccharomycetaceae, Saccharomycetaceae, Saccharomycos.
0X Nucleotide 4942?

```

81. SEIDWITZ, E.A., VIKSTROM, L.A., JANNIUS, J.-C.,  
 82. VIKSTROM, L.A. and JANNIUS, J.-C.,  
 83. Submitted (MAR 1994) to the EMBL/Genbank/Trna databases.  
 84.  
 85.  
 86. This SWISS-Prot entry is copyrighted. It is produced through a collaboration  
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 92. or send an email to [license@sb-eth.ch](mailto:license@sb-eth.ch).  
 93.  
 94. EMBL: 228279; CNA221.1; -  
 95. EMBL: S48117; S48117;  
 96. SDB: S48117; YK8040c;  
 97. Hypothetical protein.



SOURCE: 191 AA; 2110 MM; 406095 JANUARY 1970 BY CRK:GAL

Query Match: 4.38; Score 10; DB 1; Length 191

10; Conservation 11; Miscellaneous

Matches 10;  $\chi^2$  observed 11; Minimum class 1; Indels 0; Gaps 0

217 0000000000 226

(b) (7)(C), (b) (7)(D)

KESSLER 2

11) HUNTER, D. R. K. STANBARD; 193 AA.

16-00000-21001 (Rel. 10) Created

16-001 (Rel. 40), last see

DE HOUTER, P. (1966) (Flanders).

Phrosopliida iki (Fruit fly)

Pterygota; Neoptera; Hymenoptera

10X NH<sub>4</sub> TACLD-5H411;

[illegible]

HA  
HOKER, K. M. : 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2

KEI HAWAIIAN PROSOPHILIDS. "

[illegible][illegible]

### 5. SIMILARITY: DIFFERENCES IN THE RELATIVE IMPORTANCE OF THE

[illegible]

between the Swiss Institute of

use by non-profit institutions.

modified and this statement is not true. Furthermore, it is not true that the Commission is not interested in the environment.

OF SEVERAL THINGS IN THE

DOI: 10.1002; AAC03254.1; -.

Ellyssa: 847.011.2829; 847.011.2829; 847.011.2829

Metal-binding site: DNA-binding: Re-

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—	三	天
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—	十六	天
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—	七十九	天
—	八十	天
—	八十一	天
—	八十二	天
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—	八十五	天
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—	一百	天

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DOMAIN				

CONTENTS	131
MAIN	134
INDEX	137

1	193	AA	21004	MM
2	193	AA	21004	MM
3	193	AA	21004	MM
4	193	AA	21004	MM
5	193	AA	21004	MM
6	193	AA	21004	MM
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61	193	AA	21004	MM
62	193	AA	21004	MM
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66	193	AA	21004	MM
67	193	AA	21004	MM
68	193	AA	21004	MM
69	193	AA	21004	MM
70	193	AA	21004	MM
71	193	AA	21004	MM
72	193	AA	21004	MM
73	193	AA	21004	MM
74	193	AA	21004	MM
75	193	AA	21004	MM
76	193	AA	21004	MM
77	193	AA	21004	MM
78	193	AA	21004	MM
79	193	AA	21004	MM
80	193	AA	21004	MM
81	193	AA	21004	MM
82	193	AA	21004	MM
83	193	AA	21004	MM
84	193	AA	210	

## Quarterly Match

Mat (Chassis) 102; 6005507; 1990 (1)

217 Questions 226

Figure 1 is a schematic representation of the experimental design. It shows a flow from 'Study 1' to 'Study 2'. Study 1 involves 'Pretest' and 'Main Study'. Study 2 involves 'Pretest' and 'Main Study'. The 'Main Study' in Study 2 is further divided into 'Pretest' and 'Main Study'.

## Results

II, HINIS Jk<sup>1</sup>Si, STANIAKI;

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DB FMBU: AF028826; AAB84251.1;  
 DR FMBU: AF174081; AAD48500.1;  
 DR HSSP: Q12923; 3PZ;  
 DR InterPro: IP004172; 127;  
 DR InterPro: IP001478; PDZ;  
 DR Pfam: PF02828; L27; 1;  
 DR Pfam: PF00565; PDZ; 1;  
 DR SMART: SM0228; PDZ; 1;  
 DR PROSITE: PS0106; PDZ; 1;  
 DR NONTER 1;  
 FT 1;  
 SQ SEQUENCE 234 AA; 25497 MW; 1805EE16A9387P CIG64;

Query Match 100.0%; Score 234; DB 1; Length 233;  
 Best Local Similarity 100.0%; Pred. No. 146-236; Matches 233; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFEVTSATATAMATVVCITLTFVAAATELLEKLGSEVVIHRLSGVAVGSG 60  
 DB 1 MFEVTSATATAMATVVCITLTFVAAATELLEKLGSEVVIHRLSGVAVGSG 60  
 DB 1 MFEVTSATATAMATVVCITLTFVAAATELLEKLGSEVVIHRLSGVAVGSG 60  
 QY 61 PCTAIFVGVVMEETTVVQDLETFKAAATAAVAAASGSHSEVLLPSEEL 120  
 DB 61 PCTAIFVGVVMEETTVVQDLETFKAAATAAVAAASGSHSEVLLPSEEL 120  
 QY 121 NVAQCEQNSPTVTSPTTGVAVPQVQKPTQVTSVAVSGSHHFAVELLEA 180  
 DB 121 NVAQCEQNSPTVTSPTTGVAVPQVQKPTQVTSVAVSGSHHFAVELLEA 180  
 QY 181 SVLVVAVYTKLEFMFAEPFPIPAFPCQVQV 12000000000000000000 233  
 DB 181 SVLVVAVYTKLEFMFAEPFPIPAFPCQVQV 12000000000000000000 233

RESULT 2  
 Q9Z250 PRELIMINARY PRT: 219 AA.

AC Q9Z250; 01-MAY-1999 (Trembl) 10, Created;  
 DT 01-MAY-1999 (Trembl) 10, Last sequence update;  
 DI 01-DEC-2001 (Trembl) 19, Last annotation update;  
 DE LIN-7-BA;  
 OS Rattus norvegicus (Rat);  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
 NC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus;  
 OX NCBI\_TaxID:10116;  
 RN SEQUENCE FROM N.A.  
 RP MEDLINE:9289077; PubMed:106251;  
 KY Title M., Data Y., Dequchi M., Ide N., Hirao K., Yao I., Nishio H.,  
 KA Takai Y.;  
 KI Isolation and characterization of mammalian homologues of  
 PI Characteristic cleaves in 73 localization at cell-cell junctions;  
 RL Oncogene 18:2811-2817(1999);  
 DB FMBU: AF040135; AAC78074.1;  
 DR HSSP: Q12923; 3PZ;  
 DR InterPro: IP004172; 127;  
 DR InterPro: IP001478; PDZ;  
 DR Pfam: PF02828; L27; 1;  
 DR Pfam: PF00565; PDZ; 1;  
 DR SMART: SM0228; PDZ; 1;  
 DR PROSITE: PS0106; PDZ; 1;  
 SQ SEQUENCE 219 AA; 24549 MW; 6DE6A1AC5C1C74 CIG64;

Query Match 79.8%; Score 186; DB 11; Length 219;  
 Best Local Similarity 100.0%; Pred. No. 236-179; Matches 186; Conservation 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 40 CSEGVVHRTGSEFVLSSEFATLHVGSGVGTIVVQVTSVAVSGSHHFAVELLEA 95  
 DB 27 QSEGVVHRTGSEFVLSSEFATLHVGSGVGTIVVQVTSVAVSGSHHFAVELLEA 86

QY 100 SNESEHVVVELPKTDEGLGPNVWGKQKQNSPTYSRTPGQVARRHGLKRGDQLSVN 159  
 DB 67 SNESEHVVVELPKTDEGLGPNVWGKQKQNSPTYSRTPGQVARRHGLKRGDQLSVN 146  
 QY 160 CSEGVVHRTGSEFVLSSEFATLHVGSGVGTIVVQVTSVAVSGSHHFAVELLEA 219  
 DB 147 CSEGVVHRTGSEFVLSSEFATLHVGSGVGTIVVQVTSVAVSGSHHFAVELLEA 206  
 QY 220 QQQQQQ 225  
 DB 207 QQQQQQ 212

RESULT 3  
 Q9Z251 PRELIMINARY PRT: 182 AA.

AC Q9Z251; 01-MAY-1999 (Trembl) 19, Created;  
 DT 01-MAY-1999 (Trembl) 10, Last sequence update;  
 DI 01-DEC-2001 (Trembl) 19, Last annotation update;  
 DE LIN-7-BA;  
 OS Rattus norvegicus (Rat);  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
 NC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus;  
 OX NCBI\_TaxID:10116;  
 RN SEQUENCE FROM N.A.  
 RP MEDLINE:9289077; PubMed:106251;  
 KY Title M., Data Y., Dequchi M., Ide N., Hirao K., Yao I., Nishio H.,  
 KA Takai Y.;  
 KI Isolation and characterization of mammalian homologues of  
 PI Characteristic cleaves in 73 localization at cell-cell junctions;  
 RL Oncogene 18:2811-2817(1999);  
 DB FMBU: AF040134; AAC78073.1;  
 DR HSSP: Q12923; 3PZ;  
 DR InterPro: IP004172; 127;  
 DR InterPro: IP001478; PDZ;  
 DR Pfam: PF02828; L27; 1;  
 DR Pfam: PF00565; PDZ; 1;  
 DR SMART: SM0228; PDZ; 1;  
 DR PROSITE: PS0106; PDZ; 1;  
 SQ SEQUENCE 182 AA; 19927 MW; D448E3B8CF5A51DB CIG64;

Query Match 63.5%; Score 148; DB 11; Length 182;  
 Best Local Similarity 100.0%; Pred. No. 576-141; Matches 148; Conservation 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 73  
 DB 1 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 60  
 QY 73 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 134  
 DB 61 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 120  
 QY 134 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 161  
 DB 121 MATTVVQVTLTDEVAAATLLEKLGSGVVIHRLSGVAVGSGVAVGSGVAVGSG 148  
 RESULT 4  
 Q9NDP9 PRELIMINARY PRT: 197 AA.  
 AC Q9NDP9; 01-OCT-2000 (Trembl) 15, Created;  
 DT 01-OCT-2000 (Trembl) 15, Last sequence update;  
 DI 01-DEC-2001 (Trembl) 19, Last annotation update;  
 DE CDNA FL11215 F15, CLONE PLACE108000, WEABLY SIMILAR TO CHANMI,  
 LE Associated protein of SYNTAX 112 (VERTEBRATE MUSCLES OF C. ELEGANS  
 DE LIN-7 TYPE 3).  
 OS Homo sapiens (Human);  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;



SEQUENCE FROM N.A.  
 KX MEDLINE:9274721. PubMed:1044122.  
 RA Jo K., Dietz R., Li M., Bredt D.S., and ? a family of mammalian  
 RT "characterization of hVGLUT1, a ? and ? a family of mammalian  
 R1 LIN-7 homologs enriched at brain synapses in association with the  
 R1 postsynaptic density 95/PSD-95 receptor postsynaptic complex."?  
 RL J. Neurosci. 19:4180-4193(1999).  
 DR EMBL: AF087694. AAC78482.1. -  
 DR EMBL: AF174082. AAC8501.1. -  
 DR HSSP: Q12923. PDZ.  
 DR MOP: M011330858. V0112.  
 DR InterPro: IPR004172. PDZ.  
 DR InterPro: IPR001478. PDZ.  
 DR Pfam: PF02828. L27.1.  
 DR Pfam: PF00595. PDZ.1.  
 DR SMART: SM00226. PDZ.1.  
 DR PROSITE: PS0105. PDZ.1.  
 SC PROSITE: 207 AA. 22934 MW. RSCG525FRC39F03 CPG54.

Query Match 14.6%, Score 34, DB 11, Length 207,  
 Best Local Similarity 100.0%, Pred No. 5, 90026,  
 Matches 34, Conservative 0, Mismatches 0, Indels 0, Gaps 0,

C7 145 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 179  
 DB 130 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 163

RESULT 7  
 C99252 PRELIMINARY PET, 207 AA.  
 AC 092252  
 DT 01-MAY-1999 (TRENDArel. 10, Created)  
 DT 01-MAY-1999 (TRENDArel. 10, Last sequence update)  
 DT 01-DEC-2001 (TRENDArel. 19, Last annotation update)  
 DE LIN-7-A.  
 OS Rattus norvegicus (rat).  
 OC Eukaryota; Metazoa; Chordata; Gnathia; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.  
 OX NCBI\_TaxID:10116.  
 RN 111  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE:9289397. PubMed:10462251.  
 RA Fife M., Hata Y., Degeur M., Ide N., Hiras P., Yoo J., Nishida H.,  
 KA Takai Y.  
 RT "Isolation and characterization of mammalian homologues of  
 R1 Cerebellar protein 116.7: localization at cell-cell junctions."?  
 RL Oncogene 18:2811-2817(1999).  
 DR EMBL: AF090133. AAC78072.1. -  
 DR HSSP: Q12923. PDZ.  
 DR InterPro: IPR004172. PDZ.  
 DR InterPro: IPR001478. PDZ.  
 DR Pfam: PF02828. L27.1.  
 DR Pfam: PF00595. PDZ.1.  
 DR SMART: SM00226. PDZ.1.  
 DR PROSITE: PS0105. PDZ.1.  
 SC PROSITE: 207 AA. 22939 MW. RSCG675FRC39F03 CPG54.

Query Match 14.6%, Score 34, DB 11, Length 207,  
 Best Local Similarity 100.0%, Pred No. 5, 90026,  
 Matches 34, Conservative 0, Mismatches 0, Indels 0, Gaps 0,

C7 145 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 179  
 DB 130 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 163

RESULT 8  
 C99201 PRELIMINARY PET, 234 AA.  
 AC 090201

DT 01-JUN-2001 (TRENDArel. 17, Created)  
 DT 01-JUN-2001 (TRENDArel. 17, Last sequence update)  
 DT 01-DEC-2001 (TRENDArel. 19, Last annotation update)  
 DE VEREBEAL EMBL: AF087694. AAC78482.1. -  
 CN MUS12.  
 OS Mus musculus (mouse).  
 OC Eukaryota; Euteleostomi; Chordata; Gnathia; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 OX NCBI\_TaxID:10090.  
 RN 111

SEQUENCE FROM N.A.  
 KX STRAIN: C57BL/6J. TIGR:0115020205.  
 RX MEDLINE:21087660. PubMed:11217831.  
 RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,  
 RA Akawa T., Hara A., Ekubishi Y., Komae H., Adachi J., Furuta S.,  
 RA Atzawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamataka I.,  
 RA Saito T., Kanaki Y., Gajdosi T., Kuro H., Kishikawa T., Saito K.,  
 RA Kadota F., Matsuda H.A., Ashburner M., Balasubramanian T.,  
 RA Fleischmann W., Gaasterland T., Gissi C., King H., Kochiwa H.,  
 RA Koehl P., Lewis S., Matsuo Y., Nikaido I., Pasale G., Quackenbush J.,  
 RA Schmid L.M., Shindler F., Suzuki K., Tamita K., Wanner B., Watanabe T.,  
 RA Zarai F., Zerk D., Furuya M., Kono H., Kishikawa T., Harsh G.,  
 RA Plake J., Reilly D., Bojunga N., Carninci P., de Bonaldo M.F.,  
 RA Brownstein M.J., Bolt C., Fletcher C., Fujita M., Gariboldi M.,  
 RA Castaldi S., Hill D., Helman M., Hume S.A., Kanuga H., Lee N.B.,  
 RA Lyons F., Marchionni L., Mashima J., Marzetti J., Mombert P.,  
 RA Snyder P., Song H., Kiyosawa H., Kishikawa T., Sakuma H.,  
 RA Sasaki H., Sato K., Schenck C., Seya T., Shibata Y., Storch K.-F.,  
 RA Suzuki H., Toyooka K., Wada K.H., White G., Whitaker C., Wilming L.,  
 RA Wyszynski A., Yoshida K., Zeng J., Zeng J., Zeng J., Zeng J.,  
 RA Zeng J., Zeng J., Zeng J., Zeng J., Zeng J., Zeng J., Zeng J., Zeng J.,  
 RT "Functional annotation of a full-length mouse cDNA collection."?  
 RL Nature 409:685-690(2001).  
 DR EMBL: AK019299. BA831655.1. -  
 DR HSSP: Q12923. PDZ.  
 DR MOP: M011330858. V0112.  
 DR InterPro: IPR004178. PDZ.  
 DR Pfam: PF02828. L27.1.  
 DR SMART: SM00226. PDZ.1.  
 DR PROSITE: PS0105. PDZ.1.  
 SC PROSITE: 234 AA. 25732 MW. RSCG675FRC39F03 CPG54.

Query Match 14.6%, Score 34, DB 11, Length 244,  
 Best Local Similarity 100.0%, Pred No. 5, 90026,  
 Matches 34, Conservative 0, Mismatches 0, Indels 0, Gaps 0,

C7 145 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 179  
 DB 130 PROGLKPGVLLSVNGSVSEVSEHNEKAVELAKAA 163

RESULT 9  
 C99V87 PRELIMINARY PET, 195 AA.  
 AC 09V87  
 DT 01-MAY-2000 (TRENDArel. 13, Created)  
 DT 01-MAY-2000 (TRENDArel. 13, Last sequence update)  
 DT 01-DEC-2001 (TRENDArel. 19, Last annotation update)  
 DE CG7662. PROTEIN.  
 CN VELL OR CG7662.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachoptera; Muscomorpha;  
 OC Ephyrididae; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID:7227.  
 RN 111  
 RP SEQUENCE FROM N.A.  
 RX STRAIN: BERKELEY.  
 RX MEDLINE:20196006. PubMed:10741132.  
 RA Adams M.D., Scherker S.E., Bell R.A., Evans C.A., George J.D.,  
 RA Amaralides F.M., Scherker S.E., Li F.W., Hoskins R.A., Galie R.P.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,







Country Match	5.68	Score	13	PB	5	Length	591
Host Local Similarity	100.0%	EPRd	No.	0.00047			
Matches	13	Conserved base	07	Indels			
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db	567	00000000000000000000	579				

GVOH2  
 ID GVOH2 PRELIMINARY PRT 582 AA.  
 AC GVOH2  
 DI 01-MAY-2000 (TREMBL) 13, (revised)  
 EI 01-MAY 2000 (TREMBL) 13, Last sequence update  
 FI 01-JUN 2001 (TREMBL) 17, Last annotation update  
 LE 161 PROTEIN.  
 GN 161 or 559443.  
 OS Drosophila melanogaster (fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Insecta; Muscida; Tephriti;  
 or Tephritidae; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 or Ephyridiata; Drosophilidae; Drosophila.  
 OX NCITaxid:7227.  
 RN 11  
 RP SEQUENCE FROM N.A.  
 RC SIKAIN KERELEY.  
 RX MEDLINE 20156066; PubMed 10741327.  
 FA Atkins M.D., Galaktionov S.P., Holt G.A., Wilson G.A., Youngson J.P.,  
 Kaufman J.S., Pines J., Schreiber S.E., Li P.W., Hoskins R.A., Galle R.E.,  
 Goehre R.A., Lewis S.E., Richards S., Ashburner M., Gatter S.N.,  
 Saito T., Wierman J.E., Venable M.E., Zhang J., Chen L.Y.,  
 Brudnon R.E., Kovacs Y.H., Blazer V.M., Chang M., Pfeiffer B.D.,  
 Wink R.H., Joynt R., Baxter E.J., Holt G., Nelson C.R., Mikos G.L.,  
 Aull J.F., Ashburner A., An H.J., Andrews-Leekech G., Baldwin D.,  
 Kallow R.K., Hart A., Hsueh B., Koppert K., Kozlov S., Liang J.P.,  
 Kallman R.V., Jones D.V., Bowman R.P., Mundt D., Polshakov S.,  
 Borkov D., Petukhov M.P., Brock J., Prokudin P., Brattier P.,

RA Bartis R.C., Busan D.A., Butler H., Cadion E., Carter A., Chandra I.,  
RA Cherry J.M., Cwley S., Fabbro G., Farnham L.R., Hayes P.,  
RA de Pablos R., Dehner A., Deng Z., Mays A.D., Dow L., Diaz S.M.,  
RA Eadsen R., Engel J.L., Fackels M., Egan, Koda S., Finkbeiner H.G., Finn P.,  
RA Farber K.L., Farnsworth C., Ferrara C., Ferrara S., Fichtelbaum W.,  
RA Foster G., Gaddipati A.R., Garg N.S., Gellera W.M., Glasser K.,  
RA Glick A., Gode P., Goff L.J.H., Goh G., Guan P., Harris M.,  
RA Harris N.L., Harvey D., Helman L.S., Hernandez J.R., Houck J.,  
RA Hostin D., Houston K.A., Howland T.J., Wei M.H., Itham C.,  
RA Jaffe M., Jaiswal R., Jaffe J.B., Egan, Koda S., Finkbeiner H.G.,  
RA Kimmel H.C., Koda S., Koda S., Koda S., Koda S., Koda S.,  
RA Lin Y., Lin Y., Lin Y., Lin Y., Lin Y., Lin Y., Lin Y.,  
RA Liu X., Maitel B., McIntosh T.C., Miedel M.P., Mitterton D.,  
RA Morikawa G., Mishina N.V., Mobarly C., Morris J., Mostrelli A.,  
RA Mount S.M., Moy M., Murphy B., Murphy B., Murphy B.,  
RA Nelson D.R., Nelson K.A., Nixon R., Nishikawa D.K., Paley J.M.,  
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Pull V., Reese M.C.,  
RA Reimold K., Remington K., Sanders R.D.C., Scheeler P., Shon H.,  
RA Shao H.C., Shao H.C., Shao H.C., Shao H.C., Shao H.C.,  
RA Smith T.C., Smith T.C., Smith T.C., Smith T.C., Smith T.C.,  
RA Srinivas K., Srinivas K., Srinivas K., Srinivas K., Srinivas K.,  
RA Wang Z., Wang Z., Wang Z., Wang Z., Wang Z., Wang Z.,  
RA Williams S.M., Williams S.M., Williams S.M., Williams S.M.,  
RA Ye J., Ye J., Ye J., Ye J., Ye J., Ye J., Ye J.,  
RA Zhang X.H., Zhang X.H., Zhang X.H., Zhang X.H., Zhang X.H.,  
RA Zhang R.A., Zhang R.A., Zhang R.A., Zhang R.A., Zhang R.A.,  
RA The genome sequence of *Drosophila melanogaster*.  
RA Science 287:2185-2195(2000).  
RA EMBL: AF003534; AF037091; -.  
RA HSSP: 008605; 1Y01.  
RA Pfam01: PF0001263; T11.  
RA Indirect: IF000210; b6b\_P2.  
RA Indirect: IF000842; 201-C2H2.  
RA Pfam: PF00651; b1b\_1.  
RA Pfam: PF00996; 21-C2H2; 1.  
RA SMART: SM00225; b1b\_1.  
RA SMART: SM00355; 201-C2H2; 1.  
RA SMART: PF00097; b1b\_1.  
RA Indirect: IF000210; b6b\_P2; 1.  
RA RNA finding: RNA finding: RNA finding: RNA finding: RNA finding:  
SEQUENCE 582 AA; 67599 MW; G3FA555724961DB cP064;

[illegible]

of Eukaryotes: Metazoa; Arthropoda; Crustacea; Branchiopoda; Diplostecia;

of Eukaryotes: Metazoa; Arthropoda; Crustacea; Branchiopoda; Diplostecia;

0X NCR1\_LexID 45525;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 KA Shiga Y., Yasumoto R., Hayashi S., Yamagata H.,  
 KI "Functional differentiation of human p190RhoGAP encoded by protein Aduropodex in  
 R1 arthropod evolution."  
 R2 J. Biol. Chem. 273(13): 7967-7975, 1998.  
 DR EMBL: AF059600; FAF0446.1; F. 1998-03-09; 273aa; 1740bp  
 KW SEQUENCE 627 AA; 69425 MW; AYA7962761305010 CIRC64;

Query Match 5.2% Score 12; DB 5; Length 627;  
 Best Local Similarity 100.0%; Pred. No. 0.0025;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 215 000000000000000 225  
 DB 261 000000000000000 272

RESULT 21

QY0P09 PRELIMINARY: PRT: 1412 AA.

AC QY0P09;  
 DT 01-MAY-2000 (FIREBASEL 13, Created)  
 DI 01-MAY-2000 (FIREBASEL 13, Last sequence update)  
 DE 01-DEC-2001 (FIREBASEL 19, Last annotation update)  
 DE NUCLEAR RECEPTOR COACTIVATOR.  
 GN ATRK.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 CC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.  
 COX NCR1\_LexID 9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 KA MEDLINE 97410421; PubMed 9267046;  
 KA Chou H., Lin R.J., Schiltz R.L., Chakravarti D., Nash A., Nagy L.,  
 KA Privalsky M.L., Nakatani Y., Evans R.M.,  
 KI "Nuclear receptor coactivator ATRK is a novel histone  
 R1 acetyltransferase and forms a multiprotein activation complex with p75N<sup>AF</sup>  
 R2 and GAB/p300."  
 R3 Cell 90:569-580(1997).  
 DR EMBL: AF046892; AAB92368.1;  
 DR TRANSFAC: 104640;  
 DR InterPro: IPR001092; HLH\_dlm.  
 DR InterPro: IPR000014; PAS.  
 DR Pfam: PF00989; PAS; 1.  
 DR SMART: SM00454; HLH; 1.  
 DR SMART: SM00091; PAS; 1.  
 KW Receptor.  
 KW SEQUENCE 1412 AA; 154115 MW; 84574E2F48430900 CIRC64;

Query Match 5.2% Score 12; DB 4; Length 1412;  
 Best Local Similarity 100.0%; Pred. No. 0.0054;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
 DB 1255 000000000000000 1266

RESULT 22  
 QY0P07 PRELIMINARY: PRT: 1417 AA.

AC QY0P07;  
 DT 01-MAY-2000 (FIREBASEL 13, Created)  
 DI 01-MAY-2000 (FIREBASEL 13, Last sequence update)  
 DE 01-DEC-2001 (FIREBASEL 19, Last annotation update)  
 DE RECEPTOR-ASSOCIATED COACTIVATOR.  
 GN PAC3.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

CC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.  
 COX NCR1\_LexID 9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 KA MEDLINE 97485129; PubMed 9228002;  
 KA Li H., James P.J., Chen J.D.,  
 KI "A novel protein, PAC3, is a nuclear receptor coactivator that is  
 R1 related to SRC-1 and TIF2."  
 R2 Proc. Natl. Acad. Sci. U.S.A. 94:8479-8484(1997).  
 DR EMBL: AF010227; AAC5166.1;  
 DR InterPro: IPR001092; HLH\_dlm.  
 DR InterPro: IPR000014; PAS.  
 DR Pfam: PF00989; PAS; 1.  
 DR SMART: SM00454; HLH; 1.  
 DR SMART: SM00091; PAS; 1.  
 KW SEQUENCE 1417 AA; 154545 MW; 69550F5810B851B4 CIRC64;

Query Match 5.2% Score 12; DB 4; Length 1417;  
 Best Local Similarity 100.0%; Pred. No. 0.0054;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
 DB 1260 000000000000000 1271

RESULT 23

QY0P04 PRELIMINARY: PRT: 1420 AA.

AC QY0P04;  
 DT 01-MAY-2000 (FIREBASEL 13, Created)  
 DI 01-MAY-2000 (FIREBASEL 13, Last sequence update)  
 DE 01-DEC-2001 (FIREBASEL 19, Last annotation update)  
 DE AMPLIFIED IN BREAST CANCER.  
 GN ATRK.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 CC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.  
 COX NCR1\_LexID 9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 KA MEDLINE 97489625; PubMed 9252429;  
 KA Anzick S.L., Krenke J., Walker R.L., Averza D., Tanner M.M.,  
 KA Guan X.Y., Sauter G., Kallioniemi O.P., Trent J.M., Meltzer P.S.,  
 KI "AHL1, a steroid receptor coactivator amplified in breast and ovarian  
 R1 cancer."  
 R2 Science 277:965-968(1997).  
 DR EMBL: AF012108; AAC5167.1;  
 DR InterPro: IPR001092; HLH\_dlm.  
 DR InterPro: IPR000014; PAS.  
 DR Pfam: PF00989; PAS; 1.  
 DR SMART: SM00454; HLH; 1.  
 DR SMART: SM00091; PAS; 1.  
 KW SEQUENCE 1420 AA; 154892 MW; 654343EAD0856760 CIRC64;

Query Match 5.2% Score 12; DB 4; Length 1420;  
 Best Local Similarity 100.0%; Pred. No. 0.0054;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
 DB 1263 000000000000000 1274

RESULT 24  
 QY0P09 PRELIMINARY: PRT: 1424 AA.

AC QY0P09;  
 DT 01-NOV-1999 (FIREBASEL 12, Created)  
 DI 01-NOV-1999 (FIREBASEL 12, Last sequence update)  
 DE 01-JUN-2001 (FIREBASEL 17, Last annotation update)



KA Ebert, L. B. 1  
 KA "Arabidopsis cDNA clones."  
 RI Submitted (001-2001) to the EMBL/GenBank/Joint Databases  
 LR EMBL: AF001400; JAB03038.1  
 LR EMBL: AF428409; AAL16141.1  
 LR HSSB: 002593; 107M.  
 LR InterPro: IPR002048; EF-hand.  
 LR SMART: SM00054; EFH4.  
 LR PROSITE: PS00186; EF\_HAND; ORKRN\_ML4.  
 SR SEQUENCE: 173 AA; 20971 MW; 228119.47956400; CRO41.

Query Match 4.7% Score 11; DB 19; Length 173;  
 Best Local Similarity 100.0%; Prod. No. 0.0076;  
 Matches 11; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 000000000000 227  
 1111111111  
 DB 4 100000000000 14

## RESULT 27

Q95K04 PRELIMINARY; PRT; 176 AA.

AC Q95K03;  
 DI 01-DEC-2001 (TrEMBL: 19, last sequence update)  
 DI 01-DEC-2001 (TrEMBL: 19, last sequence update)  
 DI 01-DEC-2001 (TrEMBL: 19, last annotation update)  
 DE Idb1147F.  
 GN G11799.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta.  
 OC Eukaryota; Neoptera; Ecdysoptera; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 RX REF:14317 227.

KN 111  
 RN SEQUENCE FROM N.A.  
 RI STRAIN Y, CN RW 5D;  
 RA Strickland M., Brockett P., Berr L., Atkayani A., Carlson J.,  
 RA Chang M., Chaves C., Fargnoli V., Farris A., Fries R., Gentry P.,  
 RA Gonzalez M., Guerin H., Li P., Liao G., Miranda A., Mueller C.J.,  
 RA Nunez G., Parale J., Parais V., Park S., Pharamanond S., Wan K.,  
 RA Yu C., Lewis S.B., Rubin G.M., Gellibert S.;  
 RI Submitted (001-2001) to the EMBL/GenBank/Joint Databases  
 LR EMBL: AY012427; AAL28760.1  
 LR SEQUENCE: 176 AA; 18748 MW; 808520.658054280; CRO64;

Query Match 4.7% Score 11; DB 5; Length 176;  
 Best Local Similarity 100.0%; Prod. No. 0.0082;  
 Matches 11; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000 227  
 1111111111  
 DB 47 000000000001 57

## RESULT 28

Q99491 PRELIMINARY; PRT; 191 AA.

AC Q99491;  
 DI 01-MAY-1997 (TrEMBL: 04, created)  
 DI 01-MAY-1997 (TrEMBL: 04, last sequence update)  
 DI 01-DEC-2001 (TrEMBL: 19, last annotation update)  
 DE JANI5: PROTEIN (FRAGMENT).  
 GN JANI5.  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 RX NCBI\_TaxId 9606;  
 RN 111  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE: 97051922; PubMed 8696557;

BA Tabor C., Saitou F., Yee C., Dwyer B., Trotter Y., Gasser J.M.,  
 KA Weber C., Mandel J.L., Cangel G., Abbas N., Durr A., Didierjean O.,  
 SA Szeles C., and Yee Bice A.;  
 RI Cloning of the gene for spinocerebellar ataxia 2 reveals a locus with  
 RI high sensitivity to expanded CAG/ glutamine repeats."  
 LR Nat. Genet. 14:285-291(1996).  
 LR EMBL: Y08246; CAA69592.1  
 LR NON\_TER  
 FT NON\_TER  
 FT NON\_TER  
 SR SEQUENCE: 191 AA; 20196 MW; 804528019583310; CRO64;

Query Match 4.7% Score 11; DB 4; Length 191;  
 Best Local Similarity 100.0%; Prod. No. 0.0086;  
 Matches 11; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000 227  
 1111111111  
 DB 114 000000000001 124

## RESULT 29

Q9NJY7 PRELIMINARY; PRT; 219 AA.

AC Q9NJY7;  
 DI 01-OCT-2000 (TrEMBL: 15, created)  
 DI 01-OCT-2000 (TrEMBL: 15, last sequence update)  
 DI 01-JUN-2001 (TrEMBL: 17, last annotation update)  
 DE FRUITLESS PROTEIN TYPE C (FRAGMENT).  
 GN FRU.  
 OS Drosophila heteromera (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Eukaryota; Neoptera; Ecdysoptera; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 RX REF:134319 22829;

KN 111  
 RN SEQUENCE FROM N.A.  
 RI MEDLINE: 2024749; PubMed 10767546;  
 RA Davis T., Kurihara J., Yamamoto D.;  
 RI "Genomic organization and characterization of the normal gene  
 RI determination gene fruitless (fru) in the Hawaiian species Drosophila  
 RI heteromera."  
 LR Gene 246:134-149(2000).  
 LR EMBL: A065470; AAF01177.1  
 LR EMBL: F0627402; D44511.m.  
 FT NON\_TER  
 FT NON\_TER  
 SR SEQUENCE: 219 AA; 25678 MW; 9010827486678; CRO64;

Query Match 4.7% Score 11; DB 5; Length 219;  
 Best Local Similarity 100.0%; Prod. No. 0.0097;  
 Matches 11; Conserved 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000 227  
 1111111111  
 DB 58 000000000001 68

## RESULT 30

Q96310 PRELIMINARY; PRT; 266 AA.

AC Q96310;  
 DI 01-DEC-2001 (TrEMBL: 19, created)  
 DI 01-DEC-2001 (TrEMBL: 19, last sequence update)  
 DI 01-DEC-2001 (TrEMBL: 19, last annotation update)  
 DE INTERMEDIATE MICROBLASTS DEFECTIVE (FRAGMENT).  
 GN IMD.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Eukaryota; Neoptera; Ecdysoptera; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 RX NCBI\_TaxId 7227;

KN 111

RP SEQUENCE FROM N.A.  
RX MEDLINE 21370799; PubMed 11478523;  
RA Fetter D.F.K.; Holland P.W.H.;  
RI "Stipiticolan paradox genus";  
RL Esol. Dev. 3:265-270(2001);  
IR EMBL: AF363242; AK77135.1; -;  
ET NON-TER 1  
FI NON-TER 266  
SQ SEQUENCE 266 AA; 28519 MW; 6CF8744F1759805C CRC64;

Query Match 4.78; Score 11; LH 57; Length 266;  
Best Local Similarity 100.0%; Pred. No. 0.012;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 10000000000 226  
11111111111  
DB 57 100000000000 67

Search completed: May 30, 2002, 06:13:43  
Job time: 514 sec



















with decreased or increased expression of target level XMAP. The polynucleotides encoding XMAP are useful in somatic or germline gene therapy to correct a genetic deficiency, to express a conditionally lethal gene product and to express a protein which affords protection against intracellular parasites and also for diagnosis of disorders associated with expression of XMAP. They are also used for generating hybridisation probes useful in mapping the naturally occurring genomic sequences and to create knock in humanised animals (chips) or transgenic animals (mice or rats) to model human diseases. oligonucleotide or primer fragments derived from the polynucleotide sequences may be used as elements on a microarray. Antibodies which specifically bind XMAP may be used for the diagnosis of disorders associated with the expression of XMAP, or in assays to monitor patients being treated with XMAP. Diseases diagnosed, prevented or treated include genetic disorders such as adrenoleukodystrophy, Down's syndrome, cystic fibrosis, Gaucher's disease, mucopolysaccharidosis, sickle cell anaemia, thalassemia, osteoarthritis, osteoporosis, psoriasis, rheumatoid arthritis, ulcerative colitis, bacterial, fungal, parasitic, protozoal and helminthic infections, and cell proliferative disorders such as actinic keratosis, at actinosis, cancer including breast, bladder, bone marrow, brain and uterus.

Sequences 207 AA:

Query Match 9.48; Score 22; E: 22; Length 207  
 Host Local Similarity 100.0%; Prod. No. 1.76-1.22  
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

145 RHKKKKKLLSVNVEGE 166  
 LLLLLLLLLLLLLLLLLL

130 RHKKKKKKLLSVNVEGE 166

RESULT 13  
 AAU17488  
 ID AAU17388 standard; Protein: 167 AA.  
 XX  
 AC AAU17388;  
 XX  
 D1 07 N-V-2001 (first entry)  
 XX  
 LE Novel signal transduction pathway protein. Seq ID 953.  
 XX  
 KM Neutrophilic; cytotoxic; dermatofollicular; immunosuppressive; tumour;  
 KM anti-inflammatory; anti-HIV; anti-bacterial; anti-inflammatory; cancer;  
 KM immune system disorder; rheumatoid arthritis; inflammatory condition;  
 KM organ transplant rejection; infection; hepatitis; blood disorder;  
 KM stroke; cell anemia; hyperproliferative disorder; Gaucher's disease;  
 KM neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;  
 KM chromosomal abnormality; Down syndrome; ischemic renal disorder;  
 KM cardiovascular; respiratory; wound healing; endocrine; Addison's disease;  
 KM reproductive system; gastrointestinal; liver disorder; AIDS;  
 KM acquired immune deficiency syndrome.  
 XX  
 OS Homo sapiens.  
 XX  
 FN W0200154744 AL.  
 XX  
 D2 02 AUG-2001.  
 XX  
 FE 17-JAN-2001; 2001W-0501312.  
 XX  
 FE 04 FEB-2000; 200005-0176055.  
 XX  
 FE 04 FEB-2000; 200005-0180628.  
 XX  
 FE 24 FEB-2000; 200005-0184664.  
 XX  
 FE 02 MAR-2000; 200005-0186450.  
 XX  
 FE 16 MAR-2000; 200005-0189874.  
 XX  
 FE 17-MAR-2000; 200005-0190076.

PR 18 APR 2000; 200005-0198123.  
 PR 19-MAY-2000; 200005-0205151.  
 PR 07 JUN-2000; 200005-0209467.  
 PR 28 JUN 2000; 200005-0214486.  
 PR 30 JUN-2000; 200005-0215145.  
 PR 07-JUL-2000; 200005-0216647.  
 PR 07-JUL-2000; 200005-0216880.  
 PR 11-JUL 2000; 200005-0217487.  
 PR 11-JUL-2000; 200005-0217496.  
 PR 14-JUL-2000; 200005-0218290.  
 PR 26-JUL-2000; 200005-0220953.  
 PR 26-JUL-2000; 200005-0220964.  
 PR 14-AUG-2000; 200005-0224518.  
 PR 14-AUG-2000; 200005-0224519.  
 PR 14-AUG-2000; 200005-0225213.  
 PR 14-AUG-2000; 200005-0225214.  
 PR 14-AUG-2000; 200005-0225266.  
 PR 14-AUG-2000; 200005-0225267.  
 PR 14-AUG-2000; 200005-0225268.  
 PR 14-AUG-2000; 200005-0225270.  
 PR 14-AUG-2000; 200005-0225447.  
 PR 14-AUG-2000; 200005-0225757.  
 PR 14-AUG-2000; 200005-0225758.  
 PR 14-AUG-2000; 200005-0225759.  
 PR 18-AUG-2000; 200005-0226279.  
 PR 22-AUG-2000; 200005-0226681.  
 PR 22-AUG-2000; 200005-0226686.  
 PR 22-AUG-2000; 200005-0227182.  
 PR 23-AUG-2000; 200005-0227009.  
 PR 30-AUG-2000; 200005-0228924.  
 PR 01-SEP-2000; 200005-0229287.  
 PR 01-SEP-2000; 200005-0229443.  
 PR 01-SEP-2000; 200005-0229444.  
 PR 01-SEP-2000; 200005-0229445.  
 PR 05-SEP-2000; 200005-0229509.  
 PR 05-SEP-2000; 200005-0229513.  
 PR 06-SEP-2000; 200005-0230437.  
 PR 06-SEP-2000; 200005-0230438.  
 PR 08-SEP-2000; 200005-0231242.  
 PR 08-SEP-2000; 200005-0231243.  
 PR 08-SEP-2000; 200005-0231244.  
 PR 08-SEP-2000; 200005-0231245.  
 PR 08-SEP-2000; 200005-0231413.  
 PR 08-SEP-2000; 200005-0231414.  
 PR 08-SEP-2000; 200005-0232080.  
 PR 08-SEP-2000; 200005-0232081.  
 PR 12-SEP-2000; 200005-0233968.  
 PR 14-SEP-2000; 200005-0234297.  
 PR 14-SEP-2000; 200005-0234298.  
 PR 14-SEP-2000; 200005-0234299.  
 PR 14-SEP-2000; 200005-0234300.  
 PR 14-SEP-2000; 200005-0234301.  
 PR 14-SEP-2000; 200005-0234303.  
 PR 14-SEP-2000; 200005-0234304.  
 PR 14-SEP-2000; 200005-0234305.  
 PR 14-SEP-2000; 200005-0234306.  
 PR 14-SEP-2000; 200005-0234307.  
 PR 21-SEP-2000; 200005-0234273.  
 PR 21-SEP-2000; 200005-0234274.  
 PR 25-SEP-2000; 200005-0234397.  
 PR 25-SEP-2000; 200005-0234398.  
 PR 25-SEP-2000; 200005-0234399.  
 PR 26-SEP-2000; 200005-0235484.  
 PR 26-SEP-2000; 200005-0235485.  
 PR 27-SEP-2000; 200005-0235486.  
 PR 27-SEP-2000; 200005-0235487.  
 PR 29-SEP-2000; 200005-0235488.  
 PR 29-SEP-2000; 200005-0235489.  
 PR 29-SEP-2000; 200005-0235490.  
 PR 02-OCT-2000; 200005-0237037.  
 PR 02-OCT-2000; 200005-0237038.  
 PR 02-OCT-2000; 200005-0237039.  
 PR 02-OCT-2000; 200005-0237040.  
 PR 14-OCT-2000; 200005-0239945.  
 PR 14-OCT-2000; 200005-0239947.





discloses genomic DNA sequences (AB016176-AB025113), expressed RNA sequences (AB01840-AB016175) and the encoded proteins (AB057747-AB020722).  
 The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WHO at [http://who.int/pub/pat/patlib/pub\\_sequences](http://who.int/pub/pat/patlib/pub_sequences).

Sequence 517 AA:

Query Match 6.08; Score 14; ID 22; Length 517;  
 Best Local Similarity 100.0%; Prod. No. 0.00012;  
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 211 GGGGCGGGGGGGG 224  
 D 167 GGGGCGGGGGGGG 180

RESULT 15

AB071745  
 ID AB071745 standard; Protein: 582 AA.

AC AB071745;

D1 26-MAR-2002 (first entry)

DE Prosopha melanogaster polypeptide SEQ ID NO 42027.

KW Prosopha developmental biology; cell signalling; insect; cdi;

KW Pharmacological.

OS Prosopha melanogaster.

PN W200171042 A2.

FD 27-SEP-2001.

FE 27-MAR-2001; 2001WG 0509231.

PK 23-MAR-2000; 2000US 191637P.

PK 11-JUL-2000; 2000US 0614150.

PA (PERE ) FE CORP NY.

PI Ventri JF, Adams M, Li FWD, Myers EW;

XX WEL: 2001 0509231.

DE R ESHB: AB015848.

XX

XX New isolated nucleic acid detection reagent for detecting 1000 or more

XX genes from Prosopha and for elucidating cell signalling and cell-cell

XX interactions.

XX biolonomer seq ID No 42027; 21pp. Sequence listing, English.

XX The invention relates to an isolated nucleic acid detection reagent

XX capable of detecting 1000 or more genes from Prosopha. The invention is

XX useful in developmental biology and in elucidating cell signalling and

XX cell-cell interactions in higher eukaryotes for the development of

XX insecticides, therapeutics and pharmacological drugs. The invention

XX discloses genomic DNA sequences (AB016176-AB025113), expressed RNA

XX sequences (AB057747-AB020722).

XX The sequence data for this patent did not form part of the printed

XX specification, but was obtained in electronic format directly from WHO

XX at [http://who.int/pub/pat/patlib/pub\\_sequences](http://who.int/pub/pat/patlib/pub_sequences).

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 UY 217 GGGGCGGGGGGGG 229  
 D 568 GGGGCGGGGGGGG 580

RESULT 16

AA05861  
 ID AA05861 standard; Peptide: 428 AA.

AC AA05861;

D1 13-SEP-1996 (first entry)

DE WD-40 domain-conta. AAC-RICH protein.

KW WD40 repeat region beta-transducin; protein-protein interaction; drug;

KW intracellular signalling; protein kinase C; homology; motif; modulator;

KW receptors of activated protein kinase; enzyme activity; isozyme; human.

OS Synthetic.

PN W09521252-A2.

PD 10-ABS-1995.

FE 31-JAN-1995; 95WO 0501210.

PK 01-FEB-1994; 94US-0190802.

PA (SIBO ) UNIV LEHMAN STANFORD JUNIOR.

PI Mochly-koson D, Ren D;

DE WPI: 1995 284772/37.

FE New WD-40 (beta transducin) derived polypeptide(s) which alter the

FE activity of a protein, eg. protein kinase C, which interacts with a

FE protein confers a WD-40 region.

FE Example 5, Fig 70 80, 921pp, English.

XX proteins AA05861 92 are protein which contain at least one WD-40 (also

XX called beta-transducin homologue) amino acid repeat motifs. The WD-40

XX regions are involved in protein-protein interactions between proteins

XX involved in intracellular signalling. An example of such an interaction

XX is between protein kinase C and receptors of activated protein kinase

XX (RACK). eg. RACK 1 (AA05861). Proteins AA05861 92 were isolated based

XX on homology with beta-transducin, whereas proteins AA05862 92 were

XX isolated based on homology with the WD-40 consensus sequence (AA05863).

XX The proteins were used to construct the peptides AA05864-05866 and

XX AA05867-05869. The peptides can be used to identify target proteins

XX contg. WD-40 motifs, as modulators of enzyme, esp. isozyme, activity of

XX proteins involved in protein-protein interaction and to screen for drugs

XX that will affect protein-protein interaction involving WD-40 domains.

Sequence 428 AA:

Query Match 5.28; Score 12; ID 15; Length 428;  
 Best Local Similarity 100.0%; Prod. No. 0.0079;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 217 GGGGCGGGGGGGG 228  
 D 19 GGGGCGGGGGGGG 40

RESULT 17

AA064222  
 ID AA064222 standard; Protein: 500 AA.

XX













DE Drosophila melanogaster polypeptide SEQ ID NO 4374.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 FN W0200171042-A2.  
 XX  
 PD 27-SEP-2001.  
 XX  
 PE 23-MAR-2001; 2001W0 P509231.  
 XX  
 PR 23-MAR-2000; 2000US-191637P.  
 PR 11-JUL-2000; 2000US-0614150.  
 XX  
 PA (PBRF ) PE CORP NY.  
 XX  
 PI Venter JC, Adams M, Li FWD, Myers EW;  
 XX  
 DR WPI; 2001-656860/75.  
 DR N-PSDB; AB103297.  
 XX  
 PT New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX  
 PS Disclosure; SEQ ID NO 4374; 21pp + Sequence Listing; English.  
 XX  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (AB116176 AP3651), expressed DNA  
 CC sequences (AB101840-AB101875) and the encoded proteins  
 CC (AB57737-AB572072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at [http://wipo.int/patlib/seq/seq\\_id\\_100\\_sequences](http://wipo.int/patlib/seq/seq_id_100_sequences).  
 XX  
 SQ Sequence 550 AA;

Query Match: 4.7%, Score 11, EB 22, Length 550,  
 Best Local Similarity 100.0%; Pred. No. 0.086;  
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 GGGGGGGGGGT 227  
 Y 117 GGGGGGGGGG 127

Search completed: May 30, 2002, 06:08:31  
 Job time: 203 sec





APPLICANT: Arbor Vita Corporation  
TITLE: ENVIRONMENTAL MANAGEMENT AND SUPERVISOR

2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 26

JOHN J. LITTO PALLIN 2006-05-12  
E-mail Address: jlitto@att.net 19-00134-114

PRIOR FILING DATE: 1999-05-14

PRIOR FILING DATE: 1999-05-14

PRINTING DATE: 1999-05-14

PRIOR FILING DATE: 1999-10-21

RECEIVED AT BUREAU, USCGC 12/4/98  
PRIOR DATE, 1998-10-29

PLATE 11. *Chamaeleon* 170, 453

Journal of Management Education 29(1) 195-205

PRIOR APPLICATION NUMBER: US 60/182,296

PRIOR FILING DATE: 2000-02-14  
 PRIOR APPLICATION NUMBER: US 60/216,267

PRIME FUND MGMT. 2000-04-11  
 DIRECT ADDITION NUMBER, INC 607106 460

PRIOR FILING DATE: 2000-04-11

PRIOR FILING DATE: 2000-04-11

PRIOR FILING DATE: 2000-04-11

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File: A:\data\1414\14140001_02_04_04_00_00
Prep File: 14140001_02_04_04_00_00
Date: 2000-04-11

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NUMBER OF SLE ID NOS. 404

STO 11 NO 283

TYPE: PRT

ORGANISM: Artificial Sequence

### OTHER INFORMATION: Description of Artificial Sequence and

185.55.695.60

Model	Mod. 1	Mod. 2	Mod. 3	Mod. 4
Best model similarity	100.0%	100.0%	100.0%	100.0%
Prod. No.	6, 50, 82	10, 50, 82	10, 50, 82	10, 50, 82

Matchbox	42	Conservative	0	Mismatch	0	Indels
Matchbox	42	Conservative	0	Mismatch	0	Indels

John Wiley & Sons, Inc., New York, New York

1. *Abstract*—This paper presents a new method for the analysis of the dynamic behavior of a system. The method is based on the use of the Laplace transform and the Fourier transform. The results are compared with those obtained by the classical method of the Laplace transform. The method is applied to the analysis of the dynamic behavior of a system. The results are compared with those obtained by the classical method of the Laplace transform. The method is applied to the analysis of the dynamic behavior of a system. The results are compared with those obtained by the classical method of the Laplace transform.

Journal of Interpersonal Violence 26(1) 1-14

6) VERBODEN VAN DE FARMACIE VERVOEREN 42

#### SULT 4

### Sequencia de atividades

APPLICANT: Mr. Peter S.

APPLICANT: Arthur Vida Corporation

RECEIVED: 1995 OCT 10

DEKALB COUNTY, GEORGIA, 2000-05-12

PRINTER FILING DATE: 1999-05-14

PRICE APPLICATION NUMBER: 00-60734,117

Environ Biol Fish (2015) 98:1181–1188

PHILIP ALBERT, JR. and ROBERT, JR. 60, 160, 860

EXPIRATION DATE: 2000-05-12



2 PRIOR APPLICATION NUMBER: 60/245,834  
2 PRIOR FILING DATE: 2000-09-27  
2 PRIOR APPLICATION NUMBER: 60/244,274  
2 PRIOR FILING DATE: 2000-09-21  
2 PRIOR APPLICATION NUMBER: 60/244,224  
2 PRIOR FILING DATE: 2000-09-21  
2 PRIOR APPLICATION NUMBER: 60/228,924  
2 PRIOR FILING DATE: 2000-08-00  
2 PRIOR APPLICATION NUMBER: 60/244,518  
2 PRIOR FILING DATE: 2000-08-14  
2 PRIOR APPLICATION NUMBER: 60/244,364  
2 PRIOR FILING DATE: 2000-09-27  
2 PRIOR APPLICATION NUMBER: 60/224,519  
2 PRIOR FILING DATE: 2000-08-14  
2 PRIOR APPLICATION NUMBER: 60/220,964  
2 PRIOR FILING DATE: 2000-07-26  
2 PRIOR APPLICATION NUMBER: 60/241,809  
2 PRIOR FILING DATE: 2000-10-20  
2 PRIOR APPLICATION NUMBER: 60/249,299  
2 PRIOR FILING DATE: 2000-11-17  
2 PRIOR APPLICATION NUMBER: 60/245,127  
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2 PRIOR APPLICATION NUMBER: 60/241,795  
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2 PRIOR FILING DATE: 2000-09-01  
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2 PRIOR FILING DATE: 2000-09-29  
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2 PRIOR FILING DATE: 2000-10-20  
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2 PRIOR FILING DATE: 2000-10-14  
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2 PRIOR FILING DATE: 2000-09-27  
2 PRIOR APPLICATION NUMBER: 60/240,408  
2 PRIOR FILING DATE: 2000-09-06  
2 PRIOR APPLICATION NUMBER: 60/215,145  
2 PRIOR FILING DATE: 2000-06-30  
2 PRIOR APPLICATION NUMBER: 60/225,266  
2 PRIOR FILING DATE: 2000-08-14  
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2 PRIOR FILING DATE: 2000-09-08  
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2 PRIOR FILING DATE: 2000-09-08  
2 PRIOR APPLICATION NUMBER: 60/244,584  
2 PRIOR FILING DATE: 2000-09-14  
2 PRIOR APPLICATION NUMBER: 60/244,064  
2 PRIOR FILING DATE: 2000-09-14  
2 PRIOR APPLICATION NUMBER: 60/242,297  
2 PRIOR FILING DATE: 2000-09-14  
2 PRIOR APPLICATION NUMBER: 60/242,399  
2 PRIOR FILING DATE: 2000-09-14  
2 PRIOR APPLICATION NUMBER: 60/242,401  
2 PRIOR FILING DATE: 2000-09-14



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RESULT 12
US 09 270-518-469
? Sequence 369, Application US/9029518
? GENERAL INFORMATION:
? APPLICANT: Boehringer-Ingelheim
? TITLE OF INVENTION: ISOLATED HUMAN PROSTATEASE PROTEINS,
? SPECIFIC NAME OF INVENTION: ISOLATED HUMAN PROSTATEASE PROTEINS
? FILE REFERENCE: C1000778
? CURRENT APPLICANT: ROBER, 02/02/2002, 518
? CURRENT FILING DATE: 2002-03-05
? NUMBER OF SEQ ID NOS: 745
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID No: 669
? LENGTH: 406
? TYPE: PRT
? ORGANISM: HUMAN
US 09 270-518-469

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Query Match 14.6%, Score 44, DB 26, Length 406
Best Local Similarity 100.0%, Prod. No. 420-24
Matches 34, Conserved 0, Mismatches 0, Indels 0, Gaps 0,

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US 09 270-518-469
? Sequence 19, Application US/9911826A
? GENERAL INFORMATION:
? APPLICANT: Boehringer-Ingelheim and Pharm. Res.
? TITLE OF INVENTION: FAS Activator Receptor for Acid Metabolism, Polypeptides and
? FILE REFERENCE: Methods of Use
? CURRENT APPLICANT: MORGAN, 02/02/2002, 518
? CURRENT FILING DATE: 2002-03-05
? NUMBER OF SEQ ID NOS: 27
? SOFTWARE: Patent In Vnt. 2.1
? SEQ ID No: 19
? LENGTH: 68
? TYPE: PRT
? ORGANISM: Rattus norvegicus
US 09 270-518-469

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Query Match 14.7%, Score 42, DB 23, Length 68
Best Local Similarity 100.0%, Prod. No. 5,60-24
Matches 32, Conserved 0, Mismatches 0, Indels 0, Gaps 0,

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US 09 270-767-4248
? Sequence 3248, Application US/99270767
? GENERAL INFORMATION:
? APPLICANT: Boehringer-Ingelheim
? TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
? FILE REFERENCE: Filing Reference: 7426-094
? CURRENT APPLICANT: ROBER, 02/02/2002, 518
? CURRENT FILING DATE: 1999-03-17
? NUMBER OF SEQ ID NOS: 62517

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? SOFTWARE: Patent In Vnt. 2.0
? SEQ ID No: 32318
? LENGTH: 165
? TYPE: PRT
? ORGANISM: Drosophila melanogaster
US 09 270-767-4248

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Query Match 12.0%, Score 28, DB 16, Length 165
Best Local Similarity 100.0%, Prod. No. 1,10-18
Matches 28, Conserved 0, Mismatches 0, Indels 0, Gaps 0,

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US 09 270-767-4754
? Sequence 4754, Application US/99270767
? GENERAL INFORMATION:
? APPLICANT: Boehringer-Ingelheim
? TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
? FILE REFERENCE: Filing Reference: 7426-094
? CURRENT APPLICANT: ROBER, 02/02/2002, 518
? CURRENT FILING DATE: 1999-03-17
? NUMBER OF SEQ ID NOS: 62517
? SOFTWARE: Patent In Vnt. 2.0
? SEQ ID No: 4754
? LENGTH: 165
? TYPE: PRT
? ORGANISM: Drosophila melanogaster
US 09 270-767-4754

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Query Match 12.0%, Score 28, DB 16, Length 165
Best Local Similarity 100.0%, Prod. No. 1,10-18
Matches 28, Conserved 0, Mismatches 0, Indels 0, Gaps 0,

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US 09 270-8498-184254
? Sequence 184254, Application US/992708498
? GENERAL INFORMATION:
? APPLICANT: Swinerton et al.
? TITLE OF INVENTION: Insect deterring survey devices
? FILE REFERENCE:
? CURRENT APPLICANT: ROBER, 02/02/2002, 518
? NUMBER OF SEQ ID NOS: 196450
? SOFTWARE: Patent In Vnt. 2.0
? SEQ ID No: 184254
? LENGTH: 165
? TYPE: PRT
? ORGANISM: Artificial Sequence
? OTHER INFORMATION: As described in Application Sequence
US 09 270-8498-184254

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Query Match 12.0%, Score 28, DB 16, Length 165
Best Local Similarity 100.0%, Prod. No. 1,10-18
Matches 28, Conserved 0, Mismatches 0, Indels 0, Gaps 0,

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## RESULT 17

US-09-614-150-17076

Sequence 17076, Application US/09614150  
 GENERAL INFORMATION:  
 APPLICANT: Ventor, J. Craig

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
 TITLE OF INVENTION: ASSAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
 TITLE OF INVENTION: DROSOPHILA GENES

FILE REFERENCE: G1000728

CURRENT APPLICATION NUMBER: US/09/614 150

CURRENT FILING DATE: 2000-07-21

PRIOR APPLICATION NUMBER: 60/157,892

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: 60/160,193

PRIOR FILING DATE: 1999-10-19

PRIOR APPLICATION NUMBER: 60/161,932

PRIOR FILING DATE: 1999-10-26

PRIOR APPLICATION NUMBER: 60/161,703

PRIOR FILING DATE: 1999-11-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 60/177,697

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/184,831

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: 60/191,637

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 17076

LENGTH: 195

TYPE: PRT

ORGANISM: DROSOPHILA

US-09-614 150-17076

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## RESULT 18

US-60-167-245-601

Sequence 601, Application US/60167245

GENERAL INFORMATION:

APPLICANT: Li, Peter, W.D.

TITLE OF INVENTION: ISOLATED ION CHANNEL PROTEIN, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING ION CHANNEL PROTEINS AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: G1000151

CURRENT APPLICATION NUMBER: 60/167,245

CURRENT FILING DATE: 1999-11-24

NUMBER OF SEQ ID NOS: 799

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 601

LENGTH: 195

TYPE: PRT

ORGANISM: DROSOPHILA

US-60-167-245-601

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## RESULT 19

US-60-173-464-14024

Sequence 14024, Application US/60173464

GENERAL INFORMATION:

APPLICANT: Li, Peter, W.D.

TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: G1000173

CURRENT APPLICATION NUMBER: US/60/173,464

CURRENT FILING DATE: 1999-12-29

NUMBER OF SEQ ID NOS: 30269

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 14024

LENGTH: 195

TYPE: PRT

ORGANISM: DROSOPHILA

US-60-173-464-14024

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128

## Query Match

12.0%, Score 28, EB 26, Length 195

Best Local Similarity 100.0%, Pred. No. 1,36-18

Matches 29, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 101 ECLTFWVGKKEKNSPTYSRIIPGVA 128





1 LENGTH: 70  
2 TYPE: PRT  
3 ORGANISM: HUMAN  
US-09-181-269-1173

Query Match 9.48: Score 22; DB 25; Length 70;  
Best Local Similarity 100.0%; Pred. No. 4, to 14;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 92 ATAAAGASGSHSPVVELEK 114  
DB 1 ATAAAGASGSHSPVVELEK 23

RESULT 27  
PCT-0801-01812-964

1 Sequence 964, Application US/080101812  
2 GENERAL INFORMATION:  
3 APPLICANT: Human Genome Sciences, Inc. et al.  
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
5 FILE REFERENCE: P232PCT  
6 CURRENT APPLICATION NUMBER: PCT/99/01012  
7 CURRENT FILING DATE: 2001-05-09  
8 Prior application data removed - refer to PAM or file wrapper  
9 NUMBER OF SEQ ID NOS: 10  
10 SOFTWARE: Patent In Vei. 2.0  
11 SEQ ID NO 964  
12 LENGTH: 163  
13 TYPE: PRT  
14 ORGANISM: Homo sapiens  
PCT-0801-01812-964

Query Match 9.48: Score 22; DB 1; Length 163;  
Best Local Similarity 100.0%; Pred. No. 8, to 13;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 145 RHGAKRGDGLSNVSVSE 166  
DB 86 RHGAKRGDGLSNVSVSE 107

RESULT 28  
US-09-764-668-964

1 Sequence 964, Application US/0976468  
2 GENERAL INFORMATION:  
3 APPLICANT: Rosen et al.  
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
5 FILE REFERENCE: P232  
6 CURRENT APPLICATION NUMBER: US/0976468  
7 CURRENT FILING DATE: 2001-01-17  
8 Prior application data removed - refer to PAM or file wrapper  
9 NUMBER OF SEQ ID NOS: 10  
10 SOFTWARE: Patent In Vei. 2.0  
11 SEQ ID NO 964  
12 LENGTH: 163  
13 TYPE: PRT  
14 ORGANISM: Homo sapiens  
US-09-764-668-964

RESULT 29  
US-09-270-762-42999

Query Match 9.48: Score 22; DB 21; Length 163;  
Best Local Similarity 100.0%; Pred. No. 8, to 14;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 145 RHGAKRGDGLSNVSVSE 166  
DB 86 RHGAKRGDGLSNVSVSE 107

1 Sequence 42999, Application US/09270767  
2 GENERAL INFORMATION:  
3 APPLICANT: Bombardier et al.  
4 TITLE OF INVENTION: Nucleic acids and proteins of Prosopita melanogaster  
5 FILE REFERENCE: P10 Pct source: 7326-094  
6 CURRENT APPLICATION NUMBER: US/09/270/767  
7 CURRENT FILING DATE: 1999-03-17  
8 NUMBER OF SEQ ID NOS: 62517  
9 SOFTWARE: Patent In Vei. 2.0  
10 SEQ ID NO 42999  
11 LENGTH: 165  
12 TYPE: PRT  
13 ORGANISM: Prosopita melanogaster  
14 FEATURE:  
15 OTHER INFORMATION: Xaa means any amino acid  
US-09-270-767-42999

Query Match 9.48: Score 22; DB 16; Length 165;  
Best Local Similarity 100.0%; Pred. No. 8, to 13;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 117 RHGAKRGDGLSNVSVSE 166  
DB 47 RHGAKRGDGLSNVSVSE 68

RESULT 30  
PCT-0800-62960-19

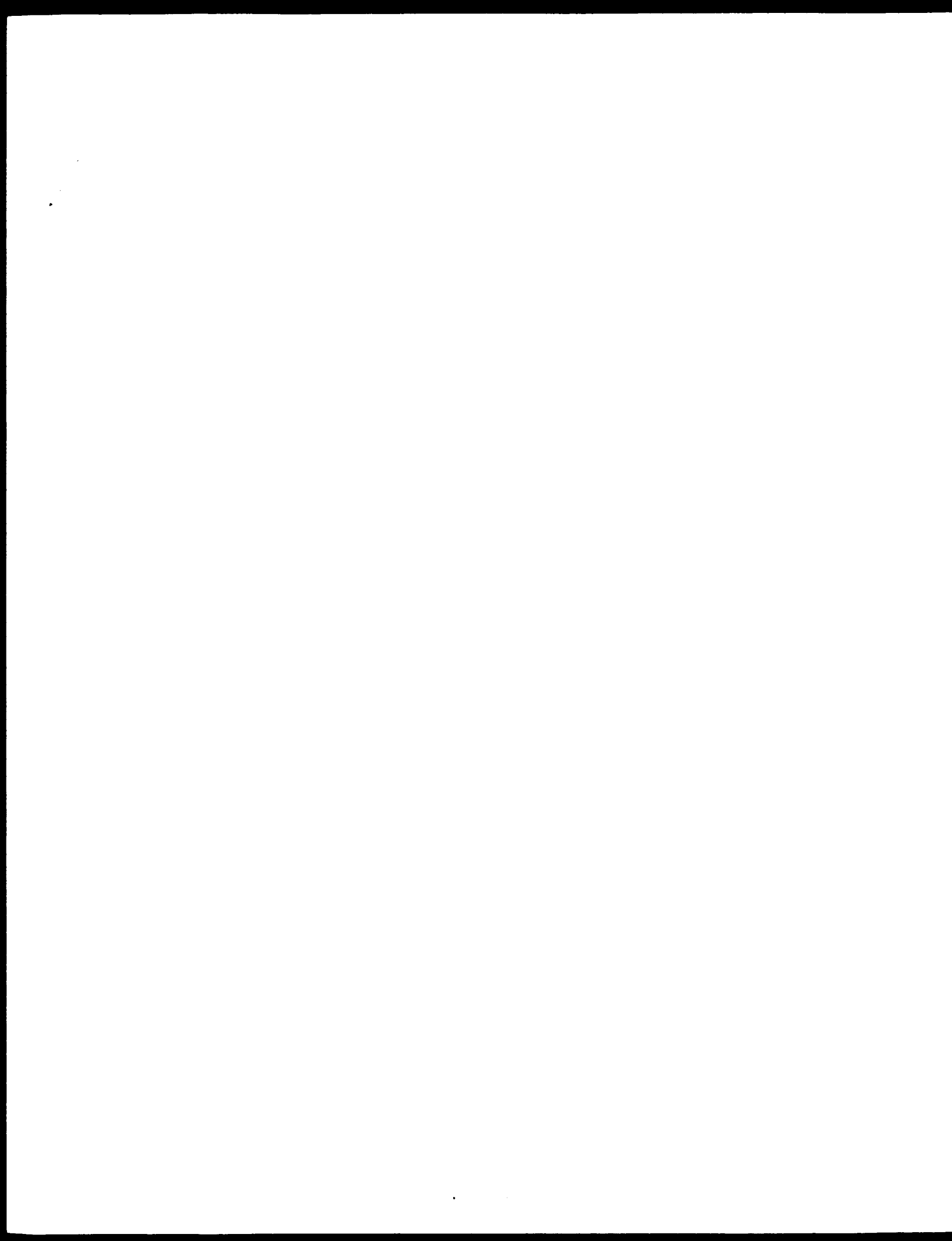
1 Sequence 19, Application US/080062960  
2 GENERAL INFORMATION:  
3 APPLICANT: INVITE GENETICS, INC.  
4 APPLICANT: YUE, Henry  
5 APPLICANT: ALIZATI, Yalda  
6 APPLICANT: TANG, Y. Tom  
7 APPLICANT: PATTERSON, Chandra  
8 APPLICANT: HAUGHN, Mariah R.  
9 APPLICANT: LU, Pyung Anna M.  
10 APPLICANT: SHAH, Parvi  
11 APPLICANT: TAL, Pradi  
12 APPLICANT: ABY-ORLO, Janice  
13 APPLICANT: BURGARD, Neil  
14 TITLE OF INVENTION: EXTRACTABLE MATRIX AND CELL ADHESION MOLECULES  
15 FILE REFERENCE: PCT/0760 PCT  
16 CURRENT APPLICATION NUMBER: PCT/080062960  
17 CURRENT FILING DATE: 2000-12-05  
18 PRIOR APPLICATION NUMBER: 60/172,852; 60/172,354  
19 PRIOR FILING DATE: 1999-12-10; 1999-12-16  
20 NUMBER OF SEQ ID NOS: 42  
21 SOFTWARE: PRT, Program  
22 SEQ ID NO 19  
23 LENGTH: 207  
24 TYPE: PRT  
25 ORGANISM: Homo sapiens  
26 FEATURE:  
27 NAME/KEY: muscle protein  
28 OTHER INFORMATION: Inverte. ID NO: 406284101  
PCT-0800-62960-19

Query Match 9.48: Score 22; DB 1; Length 207;  
Best Local Similarity 100.0%; Pred. No. 1, to 12;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 145 RHGAKRGDGLSNVSVSE 166  
DB 150 RHGAKRGDGLSNVSVSE 151

Search completed: May 09, 2002, 06:12:10  
Job Time: 3.21 sec

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```

1 CURRENT APPLICATION NUMBER: 60/292,444
2 CURRENT FILING DATE: 2002-03-28
3 PRIOR APPLICATION NUMBER: 60/279,495
4 PRIOR FILING DATE: 2001-03-28
5 PRIOR APPLICATION NUMBER: 60/292,444
6 PRIOR FILING DATE: 2001-05-21
7 PRIOR APPLICATION NUMBER: 60/310,801
8 PRIOR FILING DATE: 2001-08-08
9 PRIOR APPLICATION NUMBER: 60/325,370
10 PRIOR FILING DATE: 2001-10-01
11 PRIOR APPLICATION NUMBER: 60/336,780
12 PRIOR FILING DATE: 2001-12-04
13 PRIOR APPLICATION NUMBER: 60/358,985
14 PRIOR FILING DATE: 2002-02-20
15 NUMBER OF SEQ ID NOS: 2041
16 SOFTWARE: FastSeq for Windows Version 4.0
17 SEQ ID NO: 351
18 LENGTH: 1412
19 TYPE: PRT
20 ORGANISM: Homo sapiens
PCT: 0502-09671-451

```

```

Query Match: 5.28; Score 12; DB 1; Length 1412;
Post Local Similarity: 100.0%; Prod. No. 0.0024;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 217 000000000000 228
DB 1255 000000000000 1266

```

```

1 RESULT 1
2 PCT: 0502-09671-452
3 Sequence 452; Affiliation: pc/THS09671
4 GENERAL INFORMATION:
5 APPLICATION: Zycos, Inc.
6 TITLE OF INVENTION: TRANSLATIONAL PROFILING
7 FILE REFERENCE: 0819-026601
8 CURRENT APPLICATION NUMBER: PCT-0502-09671
9 CURRENT FILING DATE: 2002-03-28
10 PRIOR APPLICATION NUMBER: 60/279,495
11 PRIOR FILING DATE: 2001-03-28
12 PRIOR APPLICATION NUMBER: 60/292,444
13 PRIOR FILING DATE: 2001-05-21
14 PRIOR APPLICATION NUMBER: 60/310,801
15 PRIOR FILING DATE: 2001-08-08
16 PRIOR APPLICATION NUMBER: 60/325,370
17 PRIOR FILING DATE: 2001-10-01
18 PRIOR APPLICATION NUMBER: 60/336,780
19 PRIOR FILING DATE: 2001-12-04
20 PRIOR APPLICATION NUMBER: 60/358,985
21 NUMBER OF SEQ ID NOS: 2041
22 SOFTWARE: FastSeq for Windows Version 4.0
23 SEQ ID NO: 352
24 LENGTH: 1412
25 TYPE: PRT
26 ORGANISM: Homo sapiens
PCT: 0502-09671-452

```

```

Query Match: 5.28; Score 12; DB 1; Length 1412;
Post Local Similarity: 100.0%; Prod. No. 0.0024;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 217 000000000000 228
DB 1255 000000000000 1266

```

```

RESULT 4
PCT: 0502-09671-456

```

```

1 PCT: 0502-09671-457
2 GENERAL INFORMATION:
3 APPLICATION: Zycos, Inc.
4 TITLE OF INVENTION: TRANSLATIONAL PROFILING
5 FILE REFERENCE: 0819-026601
6 CURRENT APPLICATION NUMBER: PCT-0502-09671
7 CURRENT FILING DATE: 2002-03-28
8 PRIOR APPLICATION NUMBER: 60/279,495
9 PRIOR FILING DATE: 2001-03-28
10 PRIOR APPLICATION NUMBER: 60/292,444
11 PRIOR FILING DATE: 2001-05-21
12 PRIOR APPLICATION NUMBER: 60/310,801
13 PRIOR FILING DATE: 2001-08-08
14 PRIOR APPLICATION NUMBER: 60/325,370
15 PRIOR FILING DATE: 2001-10-01
16 PRIOR APPLICATION NUMBER: 60/336,780
17 PRIOR FILING DATE: 2001-12-04
18 PRIOR APPLICATION NUMBER: 60/358,985
19 PRIOR FILING DATE: 2002-02-20
20 NUMBER OF SEQ ID NOS: 2041
21 SOFTWARE: FastSeq for Windows Version 4.0
22 SEQ ID NO: 356
23 LENGTH: 1412
24 TYPE: PRT
25 ORGANISM: Homo sapiens
PCT: 0502-09671-456

```

```

Query Match: 5.28; Score 12; DB 1; Length 1412;
Post Local Similarity: 100.0%; Prod. No. 0.0024;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 217 000000000000 228
DB 1255 000000000000 1266

```

```

1 RESULT 5
2 PCT: 0502-09671-457
3 Sequence 457; Affiliation: pc/THS09671
4 GENERAL INFORMATION:
5 APPLICATION: Zycos, Inc.
6 TITLE OF INVENTION: TRANSLATIONAL PROFILING
7 FILE REFERENCE: 0819-026601
8 CURRENT APPLICATION NUMBER: PCT-0502-09671
9 CURRENT FILING DATE: 2002-03-28
10 PRIOR APPLICATION NUMBER: 60/279,495
11 PRIOR FILING DATE: 2001-03-28
12 PRIOR APPLICATION NUMBER: 60/292,444
13 PRIOR FILING DATE: 2001-05-21
14 PRIOR APPLICATION NUMBER: 60/310,801
15 PRIOR FILING DATE: 2001-08-08
16 PRIOR APPLICATION NUMBER: 60/325,370
17 PRIOR FILING DATE: 2001-10-01
18 PRIOR APPLICATION NUMBER: 60/336,780
19 PRIOR FILING DATE: 2001-12-04
20 PRIOR APPLICATION NUMBER: 60/358,985
21 NUMBER OF SEQ ID NOS: 2041
22 SOFTWARE: FastSeq for Windows Version 4.0
23 SEQ ID NO: 357
24 LENGTH: 1412
25 TYPE: PRT
26 ORGANISM: Homo sapiens
PCT: 0502-09671-457

```

```

Query Match: 5.28; Score 12; DB 1; Length 1412;
Post Local Similarity: 100.0%; Prod. No. 0.0024;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 217 000000000000 228
DB 1255 000000000000 1266

```

db 1255 000000000000000 1256

RESULT 6

PCT-0502-09671-448

Sequence: 448, Application: PCT/US02/09671

GENERAL INFORMATION:

APPLICANT: Zynos Inc.

TITLE OF INVENTION: TRANSLATIONAL PROFITING

FILE REFERENCE: 08191-026W01

CURRENT APPLICATION NUMBER: PCT/US02/09671

PRIOR FILING DATE: 2002-03-28

PRIOR APPLICATION NUMBER: 60/279,495

PRIOR FILING DATE: 2001-04-28

PRIOR APPLICATION NUMBER: 60/292,544

PRIOR FILING DATE: 2001-05-21

PRIOR APPLICATION NUMBER: 60/310,801

PRIOR FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: 60/426,470

PRIOR FILING DATE: 2001-10-01

PRIOR APPLICATION NUMBER: 60/436,780

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: 60/458,985

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ. ID NOS: 2041

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ. ID No: 448

LENGTH: 1417

TYPE: PRT

ORGANISM: Homo sapiens

PCT-0502-09671-448

Query Match

Best Local Similarity: 100.0%; Prod. No. 0.0024;

Matches: 12; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

db 1260 000000000000000 1271

RESULT 7

PCT-0502-09671-459

Sequence: 459, Application: PCT/US02/09671

GENERAL INFORMATION:

APPLICANT: Zynos Inc.

TITLE OF INVENTION: TRANSLATIONAL PROFITING

FILE REFERENCE: 08191-026W01

CURRENT APPLICATION NUMBER: PCT/US02/09671

PRIOR FILING DATE: 2002-03-28

PRIOR APPLICATION NUMBER: 60/279,495

PRIOR FILING DATE: 2001-04-28

PRIOR APPLICATION NUMBER: 60/292,544

PRIOR FILING DATE: 2001-05-21

PRIOR APPLICATION NUMBER: 60/310,801

PRIOR FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: 60/426,470

PRIOR FILING DATE: 2001-10-01

PRIOR APPLICATION NUMBER: 60/436,780

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: 60/458,985

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ. ID NOS: 2041

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ. ID No: 459

LENGTH: 1417

TYPE: PRT

ORGANISM: Homo sapiens

PCT-0502-09671-459

Query Match

Best Local Similarity: 100.0%; Prod. No. 0.0024;

Matches: 12; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

db 1260 000000000000000 1271

RESULT 8

PCT-0502-09671-449

Sequence: 449, Application: PCT/US02/09671

GENERAL INFORMATION:

APPLICANT: Zynos Inc.

TITLE OF INVENTION: TRANSLATIONAL PROFITING

FILE REFERENCE: 08191-026W01

CURRENT APPLICATION NUMBER: PCT/US02/09671

PRIOR FILING DATE: 2002-03-28

PRIOR APPLICATION NUMBER: 60/279,495

PRIOR FILING DATE: 2001-04-28

PRIOR APPLICATION NUMBER: 60/292,544

PRIOR FILING DATE: 2001-05-21

PRIOR APPLICATION NUMBER: 60/310,801

PRIOR FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: 60/426,470

PRIOR FILING DATE: 2001-10-01

PRIOR APPLICATION NUMBER: 60/436,780

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: 60/458,985

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ. ID NOS: 2041

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ. ID No: 449

LENGTH: 1420

TYPE: PRT

ORGANISM: Homo sapiens

PCT-0502-09671-449

Query Match

Best Local Similarity: 100.0%; Prod. No. 0.0025;

Matches: 12; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

db 1260 000000000000000 1271

RESULT 9

PCT-0502-09671-453

Sequence: 453, Application: PCT/US02/09671

GENERAL INFORMATION:

APPLICANT: Zynos Inc.

TITLE OF INVENTION: TRANSLATIONAL PROFITING

FILE REFERENCE: 08191-026W01

CURRENT APPLICATION NUMBER: PCT/US02/09671

PRIOR FILING DATE: 2002-03-28

PRIOR APPLICATION NUMBER: 60/279,495

PRIOR FILING DATE: 2001-04-28

PRIOR APPLICATION NUMBER: 60/292,544

PRIOR FILING DATE: 2001-05-21

PRIOR APPLICATION NUMBER: 60/310,801

PRIOR FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: 60/426,470

PRIOR FILING DATE: 2001-10-01

PRIOR APPLICATION NUMBER: 60/436,780

PRIOR FILING DATE: 2001-12-04

PRIOR APPLICATION NUMBER: 60/458,985

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ. ID NOS: 2041

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ. ID No: 453

LENGTH: 1420

TYPE: PRT

1 ORGANISM: Homo sapiens  
PCT:US02/09671.458

Query Match  
Best Local Similarity 100.0% Score 12; DB 1; Length 1420  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
DB 1263 000000000000000 1274

RESULT 10  
PCT:US02/09671.458  
Sequence 458, Application PC/10US02096/1  
GENERAL INFORMATION:

1 APPLICANT: Zycos Inc.  
2 TITLE OF INVENTION: TRANSGENETIC PROFITILING  
3 FILE REFERENCE: 08191-026W01  
4 CURRENT APPLICATION NUMBER: PCT/US02/09671  
5 PRIOR FILING DATE: 2002-03-28  
6 PRIOR APPLICATION NUMBER: 60/279,495  
7 PRIOR FILING DATE: 2001-03-28  
8 PRIOR APPLICATION NUMBER: 60/292,544  
9 PRIOR FILING DATE: 2001-05-21  
10 PRIOR APPLICATION NUMBER: 60/310,801  
11 PRIOR FILING DATE: 2001-08-08  
12 PRIOR APPLICATION NUMBER: 60/326,370  
13 PRIOR FILING DATE: 2001-10-01  
14 PRIOR APPLICATION NUMBER: 60/346,780  
15 PRIOR FILING DATE: 2001-12-04  
16 PRIOR APPLICATION NUMBER: 60/258,985  
17 PRIOR FILING DATE: 2002-02-20  
18 NUMBER OF SEQ ID NOS: 2041  
19 SOFTWARE: FASTSEQ for Windows Version 4.0  
20 SEQ ID No: 458  
21 LENGTH: 1420  
22 TYPE: PRT  
23 ORGANISM: Homo sapiens  
PCT:US02/09671.458

Query Match  
Best Local Similarity 100.0% Score 12; DB 1; Length 1420  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
DB 1263 000000000000000 1274

RESULT 11  
PCT:US02/09671.447  
Sequence 447, Application PC/10US02096/1  
GENERAL INFORMATION:  
1 APPLICANT: Zycos Inc.  
2 TITLE OF INVENTION: TRANSGENETIC PROFITILING  
3 FILE REFERENCE: 08191-026W01  
4 CURRENT APPLICATION NUMBER: PCT/US02/09671  
5 PRIOR FILING DATE: 2002-03-28  
6 PRIOR APPLICATION NUMBER: 60/279,495  
7 PRIOR FILING DATE: 2001-03-28  
8 PRIOR APPLICATION NUMBER: 60/292,544  
9 PRIOR FILING DATE: 2001-05-21  
10 PRIOR APPLICATION NUMBER: 60/310,801  
11 PRIOR FILING DATE: 2001-08-08  
12 PRIOR APPLICATION NUMBER: 60/326,370  
13 PRIOR FILING DATE: 2001-10-01  
14 PRIOR APPLICATION NUMBER: 60/346,780  
15 PRIOR FILING DATE: 2001-12-04  
16 PRIOR APPLICATION NUMBER: 60/258,985  
17 PRIOR FILING DATE: 2002-02-20

1 NUMBER OF SEQ ID NOS: 2041  
2 SOFTWARE: FASTSEQ for Windows Version 4.0  
3 SEQ ID No: 447  
4 LENGTH: 1424  
5 TYPE: PRT  
6 ORGANISM: Homo sapiens  
PCT:US02/09671.447

Query Match  
Best Local Similarity 100.0% Score 12; DB 1; Length 1424  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
DB 1267 000000000000000 1278

RESULT 12  
PCT:US02/09671.450  
Sequence 450, Application PC/10US02096/1  
GENERAL INFORMATION:

1 APPLICANT: Zycos Inc.  
2 TITLE OF INVENTION: TRANSGENETIC PROFITILING  
3 FILE REFERENCE: 08191-026W01  
4 CURRENT APPLICATION NUMBER: PCT/US02/09671  
5 PRIOR FILING DATE: 2002-03-28  
6 PRIOR APPLICATION NUMBER: 60/279,495  
7 PRIOR FILING DATE: 2001-03-28  
8 PRIOR APPLICATION NUMBER: 60/292,544  
9 PRIOR FILING DATE: 2001-05-21  
10 PRIOR APPLICATION NUMBER: 60/310,801  
11 PRIOR FILING DATE: 2001-08-08  
12 PRIOR APPLICATION NUMBER: 60/326,370  
13 PRIOR FILING DATE: 2001-10-01  
14 PRIOR APPLICATION NUMBER: 60/346,780  
15 PRIOR FILING DATE: 2001-12-04  
16 PRIOR APPLICATION NUMBER: 60/258,985  
17 PRIOR FILING DATE: 2002-02-20  
18 NUMBER OF SEQ ID NOS: 2041  
19 SOFTWARE: FASTSEQ for Windows Version 4.0  
20 SEQ ID No: 450  
21 LENGTH: 1424  
22 TYPE: PRT  
23 ORGANISM: Homo sapiens  
PCT:US02/09671.450

Query Match  
Best Local Similarity 100.0% Score 12; DB 1; Length 1424  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 000000000000000 228  
DB 1267 000000000000000 1278

RESULT 13  
PCT:US02/09671.460  
Sequence 460, Application PC/10US02096/1  
GENERAL INFORMATION:  
1 APPLICANT: Zycos Inc.  
2 TITLE OF INVENTION: TRANSGENETIC PROFITILING  
3 FILE REFERENCE: 08191-026W01  
4 CURRENT APPLICATION NUMBER: PCT/US02/09671  
5 PRIOR FILING DATE: 2002-03-28  
6 PRIOR APPLICATION NUMBER: 60/279,495  
7 PRIOR FILING DATE: 2001-03-28  
8 PRIOR APPLICATION NUMBER: 60/292,544  
9 PRIOR FILING DATE: 2001-05-21  
10 PRIOR APPLICATION NUMBER: 60/310,801  
11 PRIOR FILING DATE: 2001-08-08  
12 PRIOR APPLICATION NUMBER: 60/326,370  
13 PRIOR FILING DATE: 2001-10-01  
14 PRIOR APPLICATION NUMBER: 60/346,780  
15 PRIOR FILING DATE: 2001-12-04  
16 PRIOR APPLICATION NUMBER: 60/258,985  
17 PRIOR FILING DATE: 2002-02-20





```

URGENT FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 2011
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID No: 1872
LENGTH: 246
TYPE: PRT
ORGANISM: Homo sapiens
US-10-113-872-1872

```

```

Query Match
Best Local Similarity 100.0% Score 10; DB 6; Length 246;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 51 0000000000 60

```

```

RESULT 18
PCT 0802-1166-37
Sequence 37, Application US/708921166
GENERAL INFORMATION:
APPLICANT: Gorman, Michael S.
APPLICANT: Liu, Joseph
TITLE OF INVENTION: DELIVERY OF INSULIN
FILE REFERENCE: USF-129601
CURRENT APPLICATION NUMBER: PCT/US92/71166
CURRENT FILING DATE: 2002-03-20
PCT APPLICATION NUMBER: 09/917,460
PCT FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID No: 37
LENGTH: 246
TYPE: PRT
ORGANISM: Homo sapiens
PCT-0802-1166-37

```

```

Query Match
Best Local Similarity 100.0% Score 10; DB 1; Length 246;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

DB 51 0000000000 60

```

```

RESULT 19
US-10-113-872-1869
Sequence 1869, Application US/1011872
GENERAL INFORMATION:
APPLICANT: Watanabe, Yoshitiro
APPLICANT: Henderson, Robert A.
APPLICANT: Katoh, Michael D.
APPLICANT: Sheath, Paul R.
APPLICANT: Westrick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Fugget, Gary R.
TITLE OF INVENTION: CHARACTERISTICS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSTICS OF LONG CANCER
FILE REFERENCE: 210121-478619
CURRENT APPLICATION NUMBER: US/1011872
CURRENT FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 2011
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID No: 1869
LENGTH: 246
TYPE: PRT
ORGANISM: Homo sapiens
US-10-113-872-1869

```

```

Query Match
Best Local Similarity 100.0% Score 10; DB 6; Length 246;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

DB 51 0000000000 60

```

```

RESULT 20
US-10-113-872-1870
Sequence 1870, Application US/1011872
GENERAL INFORMATION:
APPLICANT: Watanabe, Yoshitiro
APPLICANT: Henderson, Robert A.
APPLICANT: Katoh, Michael D.
APPLICANT: Sheath, Paul R.
APPLICANT: Westrick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Fugget, Gary R.
TITLE OF INVENTION: CHARACTERISTICS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSTICS OF LONG CANCER
FILE REFERENCE: 210121-478619
CURRENT APPLICATION NUMBER: US/1011872
CURRENT FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 40
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID No: 1870
LENGTH: 246
TYPE: PRT
ORGANISM: Homo sapiens
US-10-113-872-1870

```

```

Query Match
Best Local Similarity 100.0% Score 10; DB 6; Length 246;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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DB 51 0000000000 60

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RESULT 21
US-10-113-872-1871
Sequence 1871, Application US/1011872
GENERAL INFORMATION:
APPLICANT: Watanabe, Yoshitiro
APPLICANT: Henderson, Robert A.
APPLICANT: Katoh, Michael D.
APPLICANT: Sheath, Paul R.
APPLICANT: Westrick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Fugget, Gary R.
TITLE OF INVENTION: CHARACTERISTICS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSTICS OF LONG CANCER
FILE REFERENCE: 210121-478619
CURRENT APPLICATION NUMBER: US/1011872
CURRENT FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 2011
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID No: 1871
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens
US-10-113-872-1871

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Query Match
Best Local Similarity 100.0% Score 10; DB 6; Length 247;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```



```

? APPLICANT: Iisketti, Daniel
? APPLICANT: Zamudio, Carlos
? APPLICANT: Imohrkin, Alexey M
? APPLICANT: Imohrkin, Sebastian M
? TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
? FILE REFERENCE: Methods of Use
? CURRENT APPLICATION NUMBER: US/2001-018-999
? PRIOR FILING DATE: 2002-04-23
? PRIOR APPLICATION NUMBER: US 60/285,697
? PRIOR FILING DATE: 2001-04-24
? PRIOR APPLICATION NUMBER: US 60/287,066
? PRIOR FILING DATE: 2001-04-27
? PRIOR APPLICATION NUMBER: US 60/295,890
? PRIOR FILING DATE: 2001-06-05
? PRIOR APPLICATION NUMBER: US 60/293,899
? PRIOR FILING DATE: 2001-07-09
? PRIOR APPLICATION NUMBER: US 60/316,462
? PRIOR FILING DATE: 2001-08-31
? NUMBER OF SEQ ID NOS: 8603
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 4265
? LENGTH: 268
? TYPE: PRT
? ORGANISM: Aspergillus fumigatus
US 10-126 714 4265

```

```

Query Match 4.48: Score 102 DB 6: Length 268
Best Local Similarity 100.0%: Pred. No. 0.045
Matches 102 Conservative 0: Mismatches 0: Indels 0: Gaps 0:

```

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RESULT 27
PCT-US02-09139 6
? Sequence 169, Application PC/7082209139
? GENERAL INFORMATION:
? APPLICANT: Zhang, Qai-Cheng
? TITLE OF INVENTION: Method for Modifying Plant Biomass
? FILE REFERENCE: MBI-0034
? CURRENT APPLICATION NUMBER: PCT/2002/009139
? PRIOR FILING DATE: 2002-03-26
? PRIOR APPLICATION NUMBER: 60/256,988
? PRIOR FILING DATE: 2002-03-26
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 6
? LENGTH: 276
? TYPE: PRT
? ORGANISM: Arabidopsis thaliana
PCT-US02-09139-6

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```

Query Match 4.48: Score 102 DB 1: Length 276
Best Local Similarity 100.0%: Pred. No. 0.045
Matches 102 Conservative 0: Mismatches 0: Indels 0: Gaps 0:

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RESULT 28
US-10-105 299 4671
? Sequence 169, Application US/10105299
? GENERAL INFORMATION:
? APPLICANT: Ross, et al
? TITLE OF INVENTION: Human Secreted Proteins
? FILE REFERENCE: P5950
? CURRENT APPLICATION NUMBER: US/10-105 299
? CURRENT FILING DATE: 2002-01-26

```

```

? NUMBER OF SEQ ID NOS: 15197
? PRIOR APPLICATION: See File Wrapper or Palm
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO: 4671
? LENGTH: 505
? TYPE: PRT
? ORGANISM: Homo sapiens
US-10-105 299 4671

```

```

Query Match 4.48: Score 102 DB 6: Length 405
Best Local Similarity 100.0%: Pred. No. 0.049
Matches 102 Conservative 0: Mismatches 0: Indels 0: Gaps 0:

```

```

RESULT 29
PCT-US02-07826 189
? Sequence 169, Application PC/7082207826
? GENERAL INFORMATION:
? APPLICANT: Millennium Pharmaceuticals, Inc. et al
? TITLE OF INVENTION: Nucleic Acid Molecules and Proteins for the Identification,
? FILE REFERENCE: MBI-0309C
? CURRENT APPLICATION NUMBER: PCT/2002/07826
? PRIOR FILING DATE: 2002-03-14
? PRIOR APPLICATION NUMBER: 60/276,025
? PRIOR FILING DATE: 2001-03-14
? PRIOR APPLICATION NUMBER: 60/425,149
? PRIOR FILING DATE: 2001-09-27
? PRIOR APPLICATION NUMBER: 60/276,026
? PRIOR FILING DATE: 2001-03-14
? PRIOR APPLICATION NUMBER: 60/224,967
? PRIOR FILING DATE: 2001/09/26
? PRIOR APPLICATION NUMBER: 60/411,742
? PRIOR FILING DATE: 2001-08-10
? PRIOR APPLICATION NUMBER: 60/425,192
? PRIOR FILING DATE: 2001-09-26
? PRIOR APPLICATION NUMBER: 60/423,580
? PRIOR FILING DATE: 2001-09-19
? NUMBER OF SEQ ID NOS: 464
? SOFTWARE: PatentIn version 4.0
? SEQ ID NO: 189
? LENGTH: 336
? TYPE: PRT
? ORGANISM: Homo sapiens
PCT-US02-07826-189

```

```

Query Match 4.48: Score 102 DB 1: Length 340
Best Local Similarity 100.0%: Pred. No. 0.074
Matches 102 Conservative 0: Mismatches 0: Indels 0: Gaps 0:

```

```

RESULT 30
US-10-097 340 189
? Sequence 169, Application US/10097340
? GENERAL INFORMATION:
? APPLICANT: JCH BENJAMIN
? APPLICANT: MANJULA CANNANAKAVU
? APPLICANT: Sebastian JOERSON
? APPLICANT: Subbanthi KAMATHAK
? APPLICANT: Steve G. KOVATS
? APPLICANT: Rachel E. MEYERS
? APPLICANT: Michael MONSIEY
? APPLICANT: TONY CLARKE

```

```

1 APPLICANT: AMI SEN
2 APPLICANT: Peter Velby
3 APPLICANT: Gordon R. Mills
4 APPLICANT: Robert C. Bast, Jr.
5 APPLICANT: Karen H.
6 APPLICANT: Rosmarie Schmanol
7 APPLICANT: Kumei Zhao
8 APPLICANT: Karen Galt
9 TITLE OF INVENTION: Novel Acid Nucleic Acids and Methods For The Identification,
10 TITLE OF INVENTION: Assessment, Prevention, and Therapy Of ovarian cancer
11 FILE REFERENCE: MFI-040
12 CURRENT APPLICATION NUMBER: 09/132097, 435
13 PRIOR FILING DATE: 2002-04-14
14 PRIOR APPLICATION NUMBER: 60/276,025
15 PRIOR FILING DATE: 2001-04-14
16 PRIOR APPLICATION NUMBER: 60/425,149
17 PRIOR FILING DATE: 2001-09-26
18 PRIOR APPLICATION NUMBER: 60/276,026
19 PRIOR FILING DATE: 2001-04-14
20 PRIOR APPLICATION NUMBER: 60/424,967
21 PRIOR FILING DATE: 2001/09/26
22 PRIOR APPLICATION NUMBER: 60/311,732
23 PRIOR FILING DATE: 2001-08-10
24 PRIOR APPLICATION NUMBER: 60/425,192
25 PRIOR FILING DATE: 2001-09-26
26 PRIOR APPLICATION NUMBER: 60/423,580
27 PRIOR FILING DATE: 2001-09-19
28 NUMBER OF SEQ ID NOS: 364
29 SOFTWARE: FASTSeq for Windows Version 4.0
30 SEQ ID NO: 189
31 TYPE: PRT
32 LENGTH: 436
33 ORGANISM: Homo sapiens
34 US 10 097-440-189

```

```

Query Match 4.98; Score 10; Id Path 346;
Post Local Similarity 100.0%; Prod. No. 1054;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
27 217 00000000000 226
10 48 00000000000 47

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Search completed: May 30, 2002, 05:14:15  
 Job Time: 467 sec

